ENERGY AND ENVIRONMENT CABINET

Department for Environmental Protection

Division of Water

(Amended After Comments)

401 KAR 10:030. Antidegradation policy implementation methodology.

RELATES TO: KRS 146.200-146.360, 146.410-146.535, 146.550-146.570, 146.600-146.619, 146.990, 224.01-010, 224.01-400, 224.16-050, 224.16-070, 224.70-100-224.70-140, 224.71-100-224.71-145, 224.73-100-224.73-120**, 30 U.S.C. 1201-1328, EO 2008-507, 2008-531**

STATUTORY AUTHORITY: KRS 146.220, 146.241, 146.270, 146.410, 146.450, 146.460, 146.465, 224.10-100, 224.16-050, 224.16-060, 224.70-100, 224.70-110, 40 C.F.R. **[~~Parts~~]** 130, 131, 16 U.S.C. 1271-1287 [~~et seq.~~], 1531-1544 [~~et seq.~~], 33 U.S.C. 1311, 1313, 1314, 1315, 1316, 1341, 1342, 1344

NECESSITY, FUNCTION, AND CONFORMITY: KRS 224.10-100 requires the **[~~Environmental and Public Protection~~]** **c**abinet to develop and conduct a comprehensive program for the management of water resources and to provide for the prevention, abatement, and control of all water pollution. KRS 224.70-100 declares that the policy of the commonwealth is to conserve its waters for legitimate uses, [~~and to:~~] safeguard from pollution the uncontaminated waters of the commonwealth, prevent the creation of any new pollution in the waters of the commonwealth, and abate any existing pollution. **EO 2008-507 and 2008-531, effective June 16, 2008, abolish the Environmental and Public Protection Cabinet and establish the new Energy and Environment Cabinet.** This administrative regulation and 401

KAR 10:001, 10:026, 10:029, and 10:031 [~~401 KAR 5:002, 5:026, 5:029, and 5:031~~] establish procedures to protect the surface waters of the commonwealth, and thus protect water resources. This administrative regulation establishes a methodology to implement the antidegradation policy contained in 401 KAR 10:029 [~~401 KAR 5:029~~] by establishing procedures to control water pollution in waters affected by that policy.

Section 1. Categorization and Implementation. A flow chart outlining the procedures is incorporated by reference for informational purposes in this administrative regulation. These antidegradation procedures shall not preempt the power or authority of a local government to provide by ordinance for a higher level of protection through antidegradation implementation for a discharger located within that local government's jurisdiction to a surface water of the commonwealth. The following procedures shall govern implementation of the antidegradation policy of 401 KAR 10:029 [~~401 KAR 5:029~~], Section 1, for a point source discharge. [~~A flow chart outlining the procedures is incorporated by reference for informational purposes in Section 3 of this administrative regulation. These antidegradation procedures shall not preempt the power or authority of a local government to provide by ordinance for a higher level of protection through antidegradation implementation for a discharger located within that local government's jurisdiction to a surface water of the commonwealth.~~] Surface waters shall be placed into one (1) of four (4) categories listed in this section, and each category shall have implementation procedures as follows:

(1) Outstanding national resource water. Surface waters of the commonwealth categorized as outstanding national resource waters are listed in Table 1 of this subsection.

Table 1

SURFACE WATERS CATEGORIZED AS OUTSTANDING NATIONAL RESOURCE WATER			
Stream	Segment	River Miles	County
Red River	Upstream to Island off SR 1067 to Downstream Wild River Boundary at SR 746	49.2-68.6	Menifee/Wolfe
Underground River System	Within Mammoth Cave National Park Boundary		Edmonson/ Hart/Barren
[~~Big~~] South Fork of Cumberland River	Downstream Wild River Boundary to Tennessee State Line [~~Stateline~~]	**44.3 to 54.8 [~~45.0-55.2~~]**	McCreary
Surface Waters within Reelfoot Lake National Wildlife Refuge	Reelfoot Lake National Wildlife Refuge Proclamation Boundary in Kentucky	2040 Acres	Fulton
War Fork of Station Camp Creek	Basin above South Fork of Station Camp Creek to Steer Fork	0.0 to 13.8	Jackson
Marsh Creek	Mouth to 1.9 miles upstream of KY 478	0.0 to 15.0	McCreary
Rock Creek	State border to White Oak Creek	4.1 to 21.9	McCreary

Rockcastle River	Lower end of Narrows to 0.2 miles downstream of Kentucky 80 bridge	**8.95 to 22.4 [~~8.5 to 21.8~~]**	Laurel/Pulaski

(a) Categorization criteria. A surface water shall be categorized as an outstanding national resource water if:

1. The surface water meets, at a minimum, the requirements for an outstanding state resource water as provided in 401 KAR 10:031 [~~401 KAR 5:031~~], Section 8; [~~,~~] and

2. [~~if~~] The surface water demonstrates national ecological or recreational significance.

(b) Implementation procedure.

1. Water quality shall be maintained and protected in outstanding national resource water.

2. A new discharger or expanded discharge that [~~which~~] may result in permanent or long-term changes in water quality shall be [~~is~~] prohibited.

3. The cabinet may approve temporary or short-term changes in water quality if the changes to the outstanding national resource water do not have a [~~no~~] demonstrable impact on the ability of the water to support the designated uses.

(2) Exceptional water. Surface waters of the commonwealth categorized as exceptional water are listed in Table 2 of this subsection.

Table 2 **SURFACE WATERS CATEGORIZED AS EXCEPTIONAL WATER**			
Stream	**Segment**	**River Miles**	**County**
BIG SANDY RIVER BASIN			
Hobbs Fork of	**Mouth to Headwaters**	**0.0-3.9**	**Martin**

Pigeonroost Fork of Wolf Creek*			
Lower Pigeon Branch of Elkhorn Creek*	**Left Fork to Headwaters**	**0.6-1.9**	**Pike**
Russell Fork of Levisa Fork of Big Sandy River*	**Clinch Field RR Yard off HWY 80 to Virginia State Line**	**15.0-16.5**	**Pike**
Toms Branch of Elkhorn Creek*	**Mouth to Headwaters**	**0.0-1.6**	**Pike**
Unidentified Tributary of Hobbs Fork*	**Hobbs Fork of Pigeonroost Fork to Headwaters**	**0.0-0.6**	**Martin**
LITTLE SANDY RIVER BASIN			
Arabs Fork of Big Sinking Creek*	**Clay Fork to Headwaters**	**0.0-5.1**	**Elliott**
Big Caney Creek*	**Grayson Lake to Headwaters**	**1.8-15.3**	**Elliott, Rowan**
Big Sinking Creek of Little Sandy River*	**SR 986 to Clay Fork and Arab Fork**	**6.1-15.8**	**Carter, Elliott**
Meadow Branch of Little Fork of Little Sandy River*	**Mouth to Headwaters**	**0.0-1.4**	**Elliott**
Middle Fork of Little Sandy River*	**Mouth to Sheepskin Branch**	**0.0-3.4**	**Elliott**

Nichols Fork of Little Fork of Little Sandy River*	**Green Branch to Headwaters**	**0.0-2.0**	**Elliott**
Laurel Creek of Little Sandy River*	**Carter School Rd Bridge to Headwaters**	**7.6-14.7**	**Elliott, Rowan**
LICKING RIVER BASIN			
Blackwater Creek of Licking River*	**Eaton Creek to Greasy Fork**	**3.8-11.7**	**Morgan**
Blanket Creek of Licking River	**Mouth to Unidentified Tributary**	**0.0-1.9**	**Pendleton**
Botts Fork of Brushy Fork of Licking River*	**Mouth to Landuse Change**	**0.0-2.1**	**Menifee**
Bowman Creek of Licking River	**Mouth to Unidentified Tributary**	**0.0-6.0**	**Kenton**
Brushy Fork of Meyers Creek*	**Cave Run Lake Backwaters to Headwaters**	**0.7-5.6**	**Menifee**
Brushy Fork of South Fork of Grassy Creek*	**Mouth to Headwaters**	**0.0-5.8**	**Pendleton**
Bucket Branch of North Fork of Licking River*	**Mouth to Headwaters**	**0.0-1.9**	**Morgan**
Cedar Creek of Licking River	**Mouth to North Branch of Cedar Creek**	**0.0-1.7**	**Robertson**
Craney Creek of Licking	**Mouth to Headwaters**	**0.0-11.2**	**Morgan,**

River			**Rowan**
Devils Fork of North Fork of Licking River*	**Mouth to Headwaters**	**0.0-8.5**	**Elliott, Morgan**
Flour Creek of Licking River	**Mouth to Unidentified Tributary**	**0.0-2.2**	**Pendleton**
Grovers Creek of Kincaid Creek*	**Kincaid Lake Backwaters to Unidentified Tributary**	**0.5-3.4**	**Bracken, Pendleton**
Licking River	**SR 211 to unnamed Rd off Slatey Point Rd**	**159.5-170.6**	**Bath, Rowan**
North Fork of Licking River*	**Cave Run Lake Backwaters to Devils Fork**	**8.4-13.4**	**Morgan**
Sawyers Fork of Cruises Creek	**Mouth to Headwaters**	**0.0-3.3**	**Kenton**
Slabcamp Creek of Craney Creek of Licking River	**Mouth to Headwaters**	**0.0-3.7**	**Rowan**
Slate Creek of Licking River	**Mouth to Mill Creek**	**0.0-13.6**	**Bath**
South Fork Grassy Creek of Grassy Creek of Licking River*	**Mouth to Greasy Creek**	**0.0-19.8**	**Kenton, Pendleton**
Unidentified Tributary of Shannon Creek of North	**Mouth to Headwaters**	**0.0-2.2**	**Mason**

Fork of Licking River			
Welch Fork of Brushy Fork of Licking River*	**Mouth to First Road Crossing**	**0.0-1.0**	**Menifee**
West Creek of Licking River*	**Mouth to Headwaters**	**0.0-9.8**	**Harrison, Robertson**
KENTUCKY RIVER BASIN			
Backbone Creek of Sixmile Creek of Kentucky River*	**Mouth to Scrabble Creek**	**0.0-1.65 ~~[0.0-1.7]~~**	**Franklin, Henry, Shelby**
Bear Branch of North Fork of Kentucky River	**Above Sediment Pond to Headwaters**	**0.3-1.2**	**Perry**
Big Double Creek of Red Bird River*	**Mouth to confluence of Left and Right Forks of Big Double Creek**	**0.0-6.5**	**Clay**
Bill Branch of Laurel Fork of Greasy Creek*	**Mouth to Right Fork and Left Fork Creek**	**0.0-0.3**	**Leslie**
Billey Fork of Millers Creek	**Land Use Change to Headwaters**	**2.6-8.8**	**Lee, Elliott**
Bill Oak Branch of Left Fork of Buffalo Creek	**Mouth to Headwaters**	**0.0-0.6**	**Owsley**
Buffalo Creek of South Fork of Kentucky River*	**Mouth to Right Fork and Left Fork**	**0.0-1.6**	**Owsley**
Cavanaugh Creek*	**South Fork of Station Camp**	**[0.0-8.3]**	**Jackson**

	Creek to Foxtown Rd	**~~0.0-5.1~~**	
Cherry Run of Boyd Run of North Elkhorn Creek	**Mouth to Boyd Run**	**0.0-0.9**	**Scott**
Chester Creek of Middle Fork of Red River*	**Mouth to Headwaters**	**0.0-2.8**	**Wolfe**
Clear Creek of Kentucky River*	**Mouth to East Fork Clear Creek**	**0.0-9.0**	**Woodford**
Clemons Fork of Buckhorn Creek*	**Mouth to Headwaters**	**0.0-4.8**	**Breathitt**
Coles Fork of Buckhorn Creek*	**Mouth to Headwaters**	**0.0-6.2**	**Breathitt**
Craig Creek of Kentucky River*	**Mouth to Unidentified Tributary**	**0.5-2.7**	**Woodford**
Deep Ford Branch of Cutshin Creek	**Above Pond to Headwaters**	**0.3-1.3**	**Leslie**
Drennon Creek of Kentucky River*	**Fivemile Creek to Town Branch**	**8.7-12.2**	**Henry**
East Fork of Indian Creek of Indian Creek of Red River River*	**West Fork of Indian Creek to Headwaters**	**0.0-9.0**	**Menifee**
Elisha Creek of Red Bird River*	**Land Use Change (Residential) to the confluence of Right Fork and Middle Fork Elisha Creek**	**0.8-1.8**	**Leslie**

Emily Run of Drennon Creek	**Mouth to Unidentified Tributary**	**0.0-4.0**	**Henry**
Evans Fork of Billey Fork of Millers Creek *	**Mouth to Headwaters**	**0.0-3.0**	**Estill**
Falling Rock Branch of Clemons Fork of Buckhorn Creek*	**Mouth to Headwaters**	**0.0-0.7**	**Breathitt**
Gilberts Creek of Kentucky River	**Mouth to Unidentified Tributary**	**0.0 to 2.6**	**Anderson**
Gladie Creek of Red River*	**Land Use Change to Long Branch**	**0.35 to 7.3**	**Menifee**
Goose Creek of South Fork of Kentucky River	**Mouth to Laurel Creek**	**0.0-9.1**	**Clay, Leslie**
Griers Creek of Kentucky River*	**Kentucky River Backwaters to Unidentified Tributary**	**0.1 to 3.5**	**Woodford**
Grindstone Creek of Kentucky River*	**Kentucky River Backwaters to Headwaters**	**0.1 to 1.9**	**Franklin**
Hardwick Creek of Red River	**Mouth to Little Hardwick Creek**	**0.0-3.25**	**Powell**
Hell For Certain of Middle Fork of Red River	**Mouth to Big Fork**	**0.0-2.1**	**Leslie**
Hines Creek of Kentucky River*	**Kentucky River Backwaters to confluence with Unidentified**	**0.1 to 1.9**	**Madison**

	Tributary		
Honey Branch of Greasy Creek of Middle Fork of Kentucky River*	**Mouth to Headwaters**	**0.0-1.35**	**Leslie**
Hopper Cave Branch of Cavanaugh Creek*	**Mouth to Headwaters**	**0.0-1.8**	**Jackson**
Indian Creek of Eagle Creek*	**Mouth to Headwaters**	**0.0 to 5.4**	**Carroll**
Indian Fork of Sixmile Creek of Kentucky River*	**Mouth to Headwaters**	**0.0-3.3**	**Shelby**
John Carpenter Fork of Clemons Fork of Buckhorn Creek*	**Mouth to Headwaters**	**0.0-1.2**	**Breathitt**
Katies Creek of Red Bird River	**Mouth to Headwaters**	**0.0-4.0**	**Clay**
Laurel Fork of Left Fork Buffalo Creek of Buffalo Creek*	**Cortland Fork to Big Branch**	**0.0-3.75**	**Owsley**
Left Fork of Big Double Creek of Kentucky River*	**Mouth to Headwaters**	**0.0-1.5**	**Clay**
Line Fork of North Fork of Kentucky River*	**Defeated Creek to Headwaters**	**12.2-28.6**	**Letcher**
Little Middle Fork of	**Mouth to Headwaters**	**0.0-0.75**	**Clay**

Elisha Creek of Red Bird River*			
Little Millseat Branch of Clemons Fork of Buckhorn Creek*	**Mouth to Headwaters**	**0.0-1.2**	**Breathitt**
Little Sixmile Creek of Sixmile Creek of Kentucky River*	**Mouth to Headwaters**	**0.0-5.3**	**Henry**
Lower Howard Creek of Kentucky River	**Mouth to West Fork**	**0.0-2.7**	**Clark**
Lulbegrud Creek of Red River	**Mouth to Falls Branch**	**0.0-7.3**	**Clark, Powell**
Middle Fork of Kentucky River	**Mouth to Upper Twin Creek**	**0.0-12.7**	**Lee, Owsley**
Middle Fork of Kentucky River*	**Hurts Creek to Greasy Creek**	**75.6-85.8**	**Leslie**
Middle Fork of Red River	**South Fork of Red River to Natural Bridge State Park Lake**	**1.8-7.2**	**Powell**
Mikes Branch of Laurel Fork of Left Fork of Buffalo Creek	**Mouth to Headwaters**	**0.0-0.7**	**Owsley**
Mill Creek of Kentucky	**Upstream of Mouth to**	**0.5-8.3**	**Owen**

River*	Headwaters		
Millseat Branch of Clemons Fork of Buckhorn Creek*	Mouth to Headwaters	0.0-1.85	Breathitt
Muddy Creek of Kentucky River*	Elliston, Kentucky to Viney Creek	13.8-20.65	Madison
Musselman Creek of Eagle Creek*	Mouth to Headwaters	0.0-9.0	Grant
Red Bird River of South Fork of Kentucky River	Mouth to Big Creek	0.0-15.3	Clay
Right Fork of Buffalo Creek of Kentucky River*	Mouth to Headwaters	0.0-11.75	Owsley
Right Fork of Elisha Creek of Redbird River	Mouth to Headwaters	0.0-3.3	Leslie
Roaring Fork of Lewis Fork of Buckhorn Creek*	Mouth to Headwaters	0.0-0.9	Breathitt
Rock Lick Creek of South Fork of Station Camp Creek*	Mouth to Headwaters	0.0-9.6	Jackson
Sand Ripple Creek of Kentucky River*	Kentucky River Backwaters to Headwaters	0.1-3.9	Henry
Severn Creek of Kentucky River*	Kentucky River Backwaters to North Fork of Severn Creek	1.35-3.0	Owen

Shaker Creek of Kentucky River	**Near Mouth to Shawnee Run**	**0.1-1.4**	**Mercer**
Shelly Rock Fork of Millseat Branch of Clemons Fork*	**Mouth to Headwaters**	**0.0-0.6**	**Breathitt**
Sixmile Creek of Kentucky River*	**Little Sixmile Creek to Dam**	**7.1-15.3**	**Henry**
South Fork of Kentucky River	**Mouth to Sexton Creek**	**0.0-27.8**	**Owsley**
South Fork of Red River	**Mouth to Sandlick Fork**	**0.0-4.2**	**Powell**
South Fork of Station Camp Creek of Kentucky River*	**Mouth to Rock Lick Creek**	**0.0-9.7**	**Jackson**
Spruce Branch of Redbird River*	**Mouth to Headwaters**	**0.0-1.0**	**Clay**
Station Camp Creek of Kentucky River*	**Landuse Change to South Fork of Station Camp Creek**	**18.0-22.8**	**Estill**
Steeles Run of Elkhorn Creek	**Mouth to Unidentified Tributary**	**0.0-4.2**	**Fayette**
Steer Fork of War Fork of Station Camp Creek*	**Mouth to Headwaters**	**0.0-2.7**	**Jackson**
Sturgeon Creek of	**Duck Fork to Little Sturgeon**	**1.3-13.7**	**Lee, Owsley**

Kentucky River*	**Creek**		
Sugar Creek of Redbird River*	**Landuse Change to Headwaters**	**0.6-5.4**	**Leslie**
Sulphur Lick Creek of Elkhorn Creek	**Mouth to Headwaters**	**0.0-5.2**	**Franklin**
Unidentified Tributary of Cawood Branch of Beech Fork*	**Mouth to Headwaters**	**0.0-2.1**	**Leslie**
Unidentified Tributary of Cedar Creek of Kentucky River*	**Mouth to Headwaters**	**0.0-1.4**	**Owen**
Unidentified Tributary of Glenns Creek of Kentucky River*	**Mouth to Headwaters**	**0.0 to 1.9**	**Woodford**
Unidentified Tributary of Jacks Creek of Kentucky River*	**Mouth to Headwaters**	**0.0-1.15**	**Madison**
Unidentified Tributary of Kentucky River*	**Land Use Change to Headwaters**	**0.1-1.4**	**Franklin**
Unidentified Tributary of Line Fork of North Fork of Kentucky River* (LCW)	**Mouth to Headwaters**	**0.0-0.6**	**Letcher**

War Fork of Station Camp Creek*	**Mouth to Headwaters**	**0.0-13.8**	**Jackson**
Watches Fork of Laurel Fork of Left Fork of Buffalo Creek	**Mouth to Headwaters**	**0.0-1.0**	**Owsley**
Wolfpen Creek of Red River*	**Mouth to Headwaters**	**0.0-3.6**	**Menifee**
SALT RIVER BASIN			
Brashears Creek of Salt River	**Guist Creek to Bullskin and Clear Creek**	**13.0-25.9**	**Shelby, Spencer**
Cedar Creek of Salt River*	**Mouth to Greens Branch**	**0.0-5.2**	**Bullitt**
Chaplin River of Salt River*	**Thompson Creek to Cornishville, KY**	**40.9-54.2**	**Washington**
Doctors Fork of Chaplin River	**Mouth to Begley Branch**	**0.0-3.8**	**Boyle**
Guist Creek of Brashears Creek	**Mouth to Jeptha Creek**	**0.0-15.7**	**Spencer**
Harts Run of Wilson Creek of Rolling Fork of Salt River*	**Mouth to Headwaters**	**0.0-1.8**	**Bullitt**
Indian Creek of Thompson Creek of	**Mouth to Unidentified Tributary**	**0.0-0.9**	**Mercer**

Chaplin River of Salt River			
Lick Creek of Long Lick Creek of Beech Fork of Salt River*	**Mouth to 0.1miles below Dam**	**0.0-4.1**	**Washington**
Otter Creek of Rolling Fork of Salt River*	**Landuse Change to confluence of East Fork and Middle Fork Otter Creek**	**1.7-2.9**	**Larue**
Overalls Creek of Wilson Creek of Rolling Fork of Salt River*	**Mouth to Headwaters of Middle Fork of Overalls Creek**	**0.0-3.2**	**Bullitt**
Salt Lick Creek of Rolling Fork of Salt River*	**Mouth to Headwaters**	**0.0-8.6**	**Larue, Marion**
Sulphur Creek of Chaplin River*	**Mouth to confluence of Cheese Lick and Brush Creek**	**0.0-10.0**	**Anderson, Mercer, Washington**
Unidentified Tributary of Glens Creek of Chaplin River	**Mouth to Headwaters**	**0.0-2.3**	**Washington**
West Fork of Otter Creek of Rolling Fork of Salt River*	**Mouth to Headwaters**	**0.0-5.1**	**Larue**
Wilson Creek of Rolling	**Mouth to Headwaters**	**0.0-18.4**	**Bullitt,**

Fork of Salt River*			**Nelson**
GREEN RIVER BASIN			
Beaverdam Creek of Green River*	**Mouth to Headwaters**	**0.0-14.5**	**Edmonson**
Big Brush Creek of Green River	**Brush Creek to Poplar Grove Branch**	**13.0-17.3**	**Green**
Cane Run of Nolin River*	**Nolin River Lake Backwaters to Headwaters**	**0.8-6.5**	**Hart**
Caney Fork of Peter Creek*	**Mouth to Headwaters**	**0.0-6.7**	**Barren**
Clifty Creek of Rough River*	**Barton Run to Western Kentucky Parkway**	**7.3-17.2**	**Grayson**
Clifty Creek of Wolf Lick Creek*	**Little Clifty Creek to Sulphur Lick**	**7.6-13.4**	**Todd**
East Fork of Little Barren River*	**Red Lick Creek to Flat Creek**	**18.9-20.7**	**Metcalfe**
Elk Lick Creek	**Duck Lick Creek to Barren Fork Creek and Edger Creek**	**3.6 to 11.8**	**Allen**
Ellis Fork of Damron Creek*	**Mouth to Headwaters**	**0.0-3.2**	**Adair, Russell**
Falling Timber Creek of Skaggs Creek*	**Landuse Change to Headwaters**	**10.8-15.2**	**Barren, Metcalfe**
Fiddlers Creek of North	**Mouth to Headwaters**	**0.0-5.9**	**Breckinridge**

Fork of Rough River*			
Forbes Creek of Buck Creek of East Fork of Pond River*	**Mouth to Unidentified Tributary**	**0.0-4.1**	**Christian**
Gasper River of Barren River*	**Clear Fork to Wiggington Creek**	**17.2-35.6**	**Logan, Warren**
Goose Creek of Green River*	**Mouth to Little Goose Creek**	**0.0-8.5**	**Casey, Russell**
Green River	**Downstream Mammoth Cave National Park Boundary to Lynn Camp Creek**	**185.0-250.3**	**Edmonson, Hart**
Halls Creek of Rough River*	**Unidentified Tributary to Headwaters**	**7.15-9.6**	**Ohio**
Lick Creek of West Fork of Drakes Creek*	**Mouth to Headwaters**	**0.0-10.2**	**Simpson**
Linders Creek of Rough River*	**Mouth to Sutzer Creek**	**0.0-7.9**	**Hardin**
Little Beaverdam Creek of Green River*	**Mouth to SR 743**	**0.0-11.65**	**Edmonson, Warren**
Little Short Creek of Rough River*	**Mouth to Headwaters**	**0.0-3.1**	**Grayson**
Lynn Camp Creek of Green River*	**Mouth to Lindy Creek**	**0.0-8.5**	**Hart**

McFarland Creek of West Fork of Pond River*	Grays Branch to Unidentified Tributary	1.5-5.0	Christian
Meeting Creek of Rough River*	Little Meeting Creek to Petty Branch	5.2-14.0	Grayson, Hardin
Muddy Creek of Caney Creek of Rough River*	Landuse Change to Headwaters	13.0-15.5	Ohio
North Fork of Rough River*	Buffalo Creek to Reservoir Dam	22.1-26.9	Breckinridge
Peter Creek of Barren River*	Caney Fork to Dry Fork	11.6-18.5	Barren
Pond Run of Rough River*	Landuse Change to Headwaters	1.4-6.8	Breckinridge, Ohio
Puncheon Creek	Mouth to Tennessee State Line	0.0-3.8	Logan
Rough River*	Linders Creek to Vertrees Creek	138.0-149.4	Hardin
Russell Creek of Green River*	Mouth to Columbia WWTP	0.0-40.0	Green, Adair
Russell Creek of Green River*	Reynolds Creek to confluence with Hudson Creek and Mount Olive Creek	56.9-66.3	Adair, Russell
Sixes Creek of Indian Camp Creek*	Wild Branch to Headwaters	2.0-7.5	Ohio
Sulphur Branch of	Mouth to Headwaters	0.0-3.0	Edmonson

Alexander Creek*			
Thompson Branch of West Fork of Drakes Creek	**Webb Branch to Tennessee State Line**	**0.3-1.5**	**Simpson**
Trammel Creek of Drakes Creek*	**Mouth to Tennessee State Line**	**0.0-30.6**	**Allen, Warren**
Unidentified Tributary of Green River*	**Landuse Change to Headwaters**	**1.7-3.2**	**Adair**
Unidentified Tributary of White Oak Creek*	**Hovious Rd Crossing to SR 76**	**0.4-2.9**	**Adair**
West Fork of Pond River*	**Unidentified Tributary to East Branch of Pond River**	**12.45-22.5**	**Christian**
LOWER CUMBERLAND RIVER BASIN			
Crooked Creek of Cumberland River*	**Energy Lake Backwaters to Headwaters**	**3.0-9.4**	**Trigg**
Donaldson Creek of Cumberland River*	**Craig Branch to Unidentified Tributary**	**3.2-7.2**	**Trigg**
Elk Fork of Red River of Cumberland River*	**Tennessee State Line to Dry Branch**	**7.5-23.1**	**Todd**
Sugar Creek of Cumberland River*	**Lick Creek to Unidentified Tributary**	**2.2-6.9**	**Livingston**
West Fork of Red River of Cumberland River*	**Tennessee State Line to Montgomery Creek**	**16.1-26.5**	**Christian**

Whippoorwill Creek of Red River of Cumberland River*	**Mouth to Vicks Branch**	**0.0-13.2**	**Logan**
TENNESSEE RIVER BASIN			
Blood River of Kentucky Lake (Tennessee River)*	**McCullough Fork to Tennessee State Line**	**15.15-18.7**	**Calloway**
Clarks River of Tennessee River	**Persimmon Slough to Middle Fork Creek**	**28.7-30.7**	**Marshall**
Grindstone Creek of Kentucky Lake (Blood River of Tennessee River)*	**Kentucky Lake Backwaters to Headwaters**	**0.7-2.9**	**Calloway**
Panther Creek of Kentucky Lake (Blood River of Tennessee River)*	**Kentucky Lake Backwaters to Headwaters**	**0.5-5.7**	**Calloway**
Soldier Creek of West Fork of Clarks River*	**Mouth to South Fork of Soldier Creek**	**0.0-5.7**	**Marshall**
Sugar Creek of Kentucky Lake (Tennessee River)*	**Kentucky Lake Backwaters to Buzzard Roost Road**	**2.5-3.2**	**Calloway**
Sugar Creek of West Fork Clarks River*	**Mouth to Unnamed Reservoir**	**0.0-3.9**	**Graves**
Trace Creek of West Fork	**Mouth to Neeley Branch**	**0.0-3.35**	**Graves**

of Clarks River*			
Unidentified Tributary of Unidentified Tributary of Panther Creek of West Fork of Clarks River*	**Mouth to Headwaters**	**0.0-1.7**	**Graves**
West Fork of Clarks River*	**Soldier Creek to Duncan Creek**	**20.1-23.5**	**Graves**
Wildcat Creek of Kentucky Lake (Blood River of Tennessee River)*	**Ralph Wright Road Crossing to Headwaters**	**2.8-6.8**	**Calloway**
TRADEWATER RIVER BASIN			
East Fork of Flynn Fork of Tradewater River*	**Landuse Change to Headwaters**	**2.15-4.6**	**Caldwell**
Piney Creek of Tradewater River*	**Lake Beshear Backwaters to Headwaters**	**4.5-10.2**	**Caldwell, Christian**
Sandlick Creek of Tradewater River*	**Camp Creek to Headwaters**	**4.5-8.6**	**Christian**
Tradewater River*	**Dripping Springs Branch to Buntin Lake Dam**	**126.2-133.9**	**Christian**
Unidentified Tributary of Piney Creek of Tradewater River*	**Mouth to Headwaters**	**0.0-2.9**	**Caldwell**

Unidentified Tributary of Sandlick Creek of Tradewater River*	**Mouth to Headwaters**	**0.0-1.4**	**Christian**
OHIO RIVER BASIN (Minor Tributaries)			
Crooked Creek*	**Rush Creek to City Lake Dam**	**18.1-26.4**	**Crittenden**
Double Lick Creek of Woolper Creek*	**Mouth to Headwaters**	**0.0-3.5**	**Boone**
Garrison Creek*	**Mouth to Headwaters**	**0.0-4.85**	**Boone**
Kinniconick Creek*	**McDowell Creek to Headwaters**	**5.2-50.9**	**Lewis**
Little South Fork of Big South Fork	**Land Use Change to Headwaters**	**1.2-5.8**	**Boone**
Middle Fork of Massac Creek*	**Hines Road to Headwaters (Pond)**	**3.1-6.4**	**McCracken**
Second Creek*	**Ohio River Backwaters to Headwaters**	**0.4-2.9**	**Boone**
Unidentified Tributary of Big Sugar Creek*	**I-71 to Headwaters**	**1.0-1.8**	**Gallatin**
Unidentified Tributary of Corn Creek*	**Mouth to Headwaters**	**0.0-2.3**	**Trimble**
Unidentified Tributary of Massac Creek*	**Mouth to Headwaters**	**0.0-1.7**	**McCracken**

West Fork of Massac Creek*	SR 724 to Little Massac Creek	3.6-6.2	McCracken
Yellowbank Creek*	Ohio River Backwaters to Headwaters	2.0-12.0	Breckinridge
LAKE			
Metropolis	Entire Lake	-	McCracken
MISSISSIPPI RIVER BASIN (Main Stem and Minor Tributaries)			
Jackson Creek*	Mouth to Headwaters	0.0-3.0	Graves
Obion Creek*	Hurricane Creek to Little Creek	26.7-37.1	Hickman
Terrapin Creek*	Tennessee State Line to Confluence of East and West Forks	2.7-6.0	Graves
LAKES			
Murphy's Pond	Entire Pond and Preserve Area	-	Hickman
Swan	Entire Lake	-	Ballard
UPPER CUMBERLAND RIVER BASIN			
Bad Branch of Poor Fork of Cumberland River*	Mouth to Headwaters	0.0-3.0	Letcher
Bark Camp Creek of	Mouth to Martins Fork	0.0-4.0	Whitley

Cumberland River*			
Beaver Creek of Cumberland River*	**Lake Cumberland Backwaters to confluence of Freeman Fork and Middle Fork**	**2.4-7.1**	**McCreary**
Bee Lick Creek of Brushy Creek of Buck Creek	**Mouth to Warren Branch**	**0.0-5.7**	**Pulaski**
Brownies Creek of Cumberland River*	**Blacksnake Branch to Headwaters**	**9.3-16.75**	**Bell, Harlan**
Brush Creek of Roundstone Creek *	**Wolf Creek to Reemergence of Sinking Creek**	**1.1-7.6**	**Rockcastle**
Brushy Creek of Buck Creek*	**Mouth to Headwaters**	**0.0-16.5**	**Pulaski**
Buck Creek of Cumberland River*	**0.8 river mile upstream of confluence of Hurricane Creek to Lake Cumberland Backwaters**	**11.7-55.0**	**Lincoln, Pulaski**
Bunches Creek of Cumberland River*	**Mouth to confluence of Amos Falls Branch and Seminary Branch**	**0.0-3.3**	**Whitley**
Cane Creek of Rockcastle River*	**Mouth to Headwaters**	**0.0-11.85**	**Laurel**
Clifty Creek of Brushy Creek of Buck Creek	**Mouth to Rocky Branch**	**0.0-2.7**	**Pulaski**

Cogur Fork of Indian Creek*	Mouth to Headwaters	0.0-7.95	McCreary
Cumberland River	Wild River Boundaries	549.65-566.1	McCreary, Whitley
Dog Slaughter Creek of Cumberland River*	Mouth to confluence of North Fork and South Fork of Dog Slaughter Creek	0.05-1.15	Whitley
Eagle Creek of Cumberland River*	Mouth to Headwaters	0.05-6.75	McCreary
Fugitt Creek of Clover Fork of Cumberland River*	Landuse Change to Headwaters	0.5-4.6	Harlan
Horse Lick Creek of Rockcastle River*	Mouth to Clover Bottom	0.0-12.3	Jackson, Rockcastle
Howards Creek of Illwill Creek of Wolf River*	Dale Hollow Reservoir Backwaters to Headwaters	0.6-4.6	Clinton
Indian Creek of Cumberland River*	Laurel Fork to Barren Fork	2.4-6.8	McCreary
Jackie Branch of Bark Camp Creek*	Mouth to Headwaters	0.0-1.65	Whitley
Kilburn Fork of Indian Creek	Mouth to Headwaters	0.0-7.2	McCreary
Laurel Creek of Marsh	Mouth to Laurel Creek Dam	0.0-9.0	McCreary

Creek			
Laurel Fork of Clear Fork of Cumberland River*	**Tennessee State Line to Tiny Branch**	**4.3-13.1**	**Whitley**
Laurel Fork of Middle Fork of Rockcastle River*	**Mouth to Headwaters**	**0.0-12.3**	**Jackson**
Left Fork of Fugitt Creek of Clover Fork of Cumberland River	**Mouth to Headwaters**	**0.0-1.5**	**Harlan**
Little South Fork of Cumberland River*	**Lake Cumberland Backwaters to Langham Branch**	**4.4-35.5**	**McCreary, Wayne**
Marsh Creek of Cumberland River*	**Laurel Creek to Kentucky/Tennessee State Line**	**8.8-26.5**	**McCreary**
Martins Fork of Cumberland River	**Rough Branch to Headwaters**	**27.2-32.7**	**Harlan**
McFarland Creek of Cumberland River	**Little McFarland Creek to Spring Branch**	**0.8-6.2**	**Monroe**
Meshack Creek of Cumberland River	**Mouth to Pitcock Branch**	**0.0-2.8**	**Monroe**
Middle Fork of Rockcastle River*	**Mouth to confluence of Indian Creek and Laurel Fork**	**0.0-7.9**	**Jackson**
Mud Camp Creek of	**Mouth to Collins Branch**	**0.0-1.2**	**Cumberland**

Cumberland River*			
Mud Camp Creek of Cumberland River*	**Unidentified Tributary to Headwaters**	**3.8-8.8**	**Cumberland, Monroe**
Otter Creek of Cumberland River	**Lake Cumberland Backwaters to Carpenter Fork**	**14.0-22.1**	**Wayne**
Poor Fork of Cumberland River*	**Franks Creek to Headwaters**	**42.1-52.4**	**Letcher**
Presley House Branch of Poor Fork of Cumberland River*	**Mouth to Headwaters**	**0.0-1.5**	**Letcher**
Puncheoncamp Branch of Rock Creek of South Fork of Cumberland River*	**Mouth to Headwaters**	**0.0-1.85**	**McCreary**
Rock Creek of South Fork of Cumberland River*	**White Oak Creek to Tennessee State Line**	**4.0-21.5**	**McCreary**
Rockcastle River	**Wild River Boundaries**	**8.95-54.7**	**Laurel, Pulaski**
Shillalah Creek of Clear Fork of Yellow Creek*	**Mouth to Headwaters**	**0.0-5.5**	**Bell**
Sinking Creek of Rockcastle River*	**Mouth to White Oak Creek**	**0.0-9.9**	**Laurel**

Sulphur Creek of Wolf River of Obey River*	**Dale Hollow Reservoir Backwaters to Headwaters**	**1.7-5.1**	**Clinton**
South Fork of Dog Slaughter Creek of Cumberland River*	**Mouth to Headwaters**	**0.0-4.6**	**Whitley**
South Fork of Rockcastle River	**Mouth to White Oak Creek**	**0.0-5.8**	**Laurel**
Unidentified Tributary (across from Hemlock Grove) of Rock Creek of South Fork of Cumberland River*	**Mouth to Headwaters**	**0.0-1.3**	**McCreary**
Unidentified Tributary (RMI 17.0 of Rock Creek) of Rock Creek of South Fork of Cumberland River*	**Mouth to Headwaters**	**0.0-1.2**	**McCreary**
Watts Branch of Rock Creek of South Fork of Cumberland River*	**Mouth to Headwaters**	**0.0-2.6**	**McCreary**
Watts Creek of Cumberland River*	**Camp Blanton Reservoir to Headwaters**	**2.4-4.4**	**Harlan**

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[~~Table 2~~ ~~SURFACE WATERS CATEGORIZED AS EXCEPTIONAL WATER~~			
~~Stream~~	~~Segment~~	~~River Miles~~	~~County~~
~~BIG SANDY RIVER BASIN~~			
~~Hobbs Fork of Pigeonroost Fork of Wolf Creek*~~	~~Mouth to Headwaters~~	~~0.0-3.8~~	~~Martin~~
~~Lower Pigeon Branch of Elkhorn Creek*~~	~~Left Fork to Headwaters~~	~~0.6-1.9~~	~~Pike~~
~~Russell Fork of Levisa Fork of Big Sandy River*~~	~~Clinch Field RR Yard off HWY 80 to Virginia State Line~~	~~14.9-16.5~~	~~Pike~~
~~Toms Branch of Elkhorn Creek*~~	~~Mouth to Headwaters~~	~~0.0-1.6~~	~~Pike~~
~~Unidentified Tributary of Hobbs Fork*~~	~~Hobbs Fork of Pigeonroost Fork to Headwaters~~	~~0.0-0.6~~	~~Martin~~
~~LITTLE SANDY RIVER BASIN~~			
~~Arabs Fork of Big Sinking Creek*~~	~~Clay Fork to Headwaters~~	~~0.0-5.7~~	~~Elliott~~
~~Big Caney Creek*~~	~~Grayson Lake to Headwaters~~	~~0.6 to 13.6~~	~~Elliott, Rowan~~
~~Big Sinking Creek of~~	~~SR 986 to Clay Fork and Arab~~	~~11.1-15.9~~	~~Carter, Elliott~~

~~Little Sandy River*~~	~~Fork~~		
~~Meadow Branch of Little Fork of Little Sandy River*~~	~~Mouth to Headwaters~~	~~0.0-1.4~~	~~Elliott~~
~~Middle Fork of Little Sandy River*~~	~~Mouth to Sheepskin Branch~~	~~0.0-3.4~~	~~Elliott~~
~~Nichols Fork of Little Fork of Little Sandy River*~~	~~Green Branch to Headwaters~~	~~0.0-1.6~~	~~Elliott~~
~~Laurel Creek of Little Sandy River*~~	~~Carter School Rd Bridge to Headwaters~~	~~7.7-14.7~~	~~Elliott, Rowan~~
~~LICKING RIVER BASIN~~			
~~Blackwater Creek of Licking River*~~	~~Eaton Creek to Greasy Fork~~	~~3.2-11.1~~	~~Morgan~~
~~Blanket Creek of Licking River~~	~~Mouth to Unidentified Tributary~~	~~0.0-1.9~~	~~Pendleton~~
~~Botts Fork of Brushy Fork of Licking River*~~	~~Mouth to Landuse Change~~	~~0.0-2.2~~	~~Menifee~~
~~Bowman Creek of Licking River~~	~~Mouth to Unidentified Tributary~~	~~0.0-6.0~~	~~Kenton~~
~~Brushy Fork of Meyers Creek*~~	~~Cave Run Lake Backwaters to Headwaters~~	~~0.6-5.0~~	~~Menifee~~

~~Brushy Fork of South Fork of Grassy Creek*~~	~~Mouth to Headwaters~~	~~0.0-5.8~~	~~Pendleton~~
~~Bucket Branch of North Fork of Licking River*~~	~~Mouth to Headwaters~~	~~0.0-1.9~~	~~Morgan~~
~~Cedar Creek of Licking River~~	~~Mouth to North Branch of Cedar Creek~~	~~0.0-1.7~~	~~Robertson~~
~~Craney Creek of Licking River~~	~~Mouth to Headwaters~~	~~0.0-11.2~~	~~Morgan, Rowan~~
~~Devils Fork of North Fork of Licking River*~~	~~Mouth to Headwaters~~	~~0.0-8.4~~	~~Elliott, Morgan~~
~~Flour Creek of Licking River~~	~~Mouth to Unidentified Tributary~~	~~0.0-2.2~~	~~Pendleton~~
~~Grovers Creek of Kincaid Creek*~~	~~Kincaid Lake Backwaters to Unidentified Tributary~~	~~0.5-3.4~~	~~Bracken, Pendleton~~
~~Licking River~~	~~SR 211 to unnamed Rd off Slatey Point Rd~~	~~159.5-170.6~~	~~Bath, Rowan~~
~~Little South Fork of Big South Fork of Ohio River~~	~~Land Use Change to Headwaters~~	~~1.2 - 5.9~~	~~Boone~~
~~North Fork of Licking~~	~~Cave Run Lake Backwaters to~~	~~9.9-14.2~~	~~Morgan~~

~~River*~~	~~Devils Fork~~		
~~Sawyers Fork of Cruises Creek~~	~~Mouth to Headwaters~~	~~0.0-3.3~~	~~Kenton~~
~~Slabcamp Creek of Craney Creek of Licking River~~	~~Mouth to Headwaters~~	~~0.0-3.7~~	~~Rowan~~
~~Slate Creek of Licking River~~	~~Mouth to Mill Creek~~	~~0.0-13.6~~	~~Bath~~
~~South Fork Grassy Creek of Grassy Creek of Licking River*~~	~~Mouth to Greasy Creek~~	~~0.0-19.8~~	~~Kenton, Pendleton~~
~~Unidentified Tributary of Shannon Creek of North Fork of Licking River~~	~~Mouth to Headwaters~~	~~0.0-2.2~~	~~Mason~~
~~Welch Fork of Brushy Fork of Licking River*~~	~~Mouth to First Road Crossing~~	~~0.0-1.0~~	~~Menifee~~
~~West Creek of Licking River*~~	~~Mouth to Headwaters~~	~~0.0-9.7~~	~~Harrison, Robertson~~
~~KENTUCKY RIVER BASIN~~			
~~Backbone Creek of~~	~~Mouth to Scrabble Creek~~	~~0.0-1.7~~	~~Franklin, Henry,~~

~~Sixmile Creek of Kentucky River~~			~~Shelby~~
~~Bear Branch of North Fork of Kentucky River~~	~~Above Sediment Pond to Headwaters~~	~~0.3-1.2~~	~~Perry~~
~~Big Double Creek of Red Bird River*~~	~~Mouth to Headwaters~~	~~0.0-4.4~~	~~Clay~~
~~Bill Branch of Laurel Fork of Greasy Creek*~~	~~Mouth to Right Fork and Left Fork Creek~~	~~0.0-0.3~~	~~Leslie~~
~~Billey Fork of Millers Creek~~	~~Land Use Change to Headwaters~~	~~2.6-8.8~~	~~Lee, Elliott~~
~~Bill Oak Branch of Left Fork of Buffalo Creek~~	~~Mouth to Headwaters~~	~~0.0-0.6~~	~~Owsley~~
~~Buffalo Creek of South Fork of Kentucky River*~~	~~Mouth to Right Fork and Left Fork~~	~~0.0-1.6~~	~~Owsley~~
~~Cavanaugh Creek*~~	~~South Fork of Station Camp Creek to Foxtown Rd~~	~~0.0-5.1~~	~~Jackson~~
~~Cherry Run of Boyd Run of North Elkhorn Creek~~	~~Mouth to Boyd Run~~	~~0.0-0.9~~	~~Scott~~

~~Chester Creek of Middle Fork of Red River*~~	~~Mouth to Headwaters~~	~~0.0-2.8~~	~~Wolfe~~
~~Clear Creek of Kentucky River*~~	~~Mouth to East Fork Clear Creek~~	~~0.0-9.0~~	~~Woodford~~
~~Clemons Fork of Buckhorn Creek*~~	~~Mouth to Headwaters~~	~~0.0-4.8~~	~~Breathitt~~
~~Coles Fork of Buckhorn Creek*~~	~~Mouth to Headwaters~~	~~0.0-6.3~~	~~Breathitt~~
~~Craig Creek of Kentucky River*~~	~~Mouth to Unidentified Tributary~~	~~0.0-2.7~~	~~Woodford~~
~~Deep Ford Branch of Cutshin Creek~~	~~Above Pond to Headwaters~~	~~0.3-1.3~~	~~Leslie~~
~~Drennon Creek of Kentucky River*~~	~~Fivemile Creek to Town Branch~~	~~8.7-12.2~~	~~Henry~~
~~East Fork of Indian Creek of Indian Creek of Red River River*~~	~~West Fork of Indian Creek to Headwaters~~	~~0.0-9.1~~	~~Menifee~~
~~Elisha Creek of Red Bird River*~~	~~Land Use Change (Residential) to the confluence of Right Fork and Middle Fork Elisha Creek~~	~~0.8-1.8~~	~~Leslie~~
~~Emily Run of~~	~~Mouth to Unidentified~~	~~0.0-3.0~~	~~Henry~~

~~Drennon Creek~~	~~Tributary~~		
~~Evans Fork of Billey Fork of Millers Creek *~~	~~Mouth to Headwaters~~	~~0.0-3.0~~	~~Estill~~
~~Falling Rock Branch of Clemons Fork of Buckhorn Creek*~~	~~Mouth to Headwaters~~	~~0.0-0.7~~	~~Breathitt~~
~~Gilberts Creek of Kentucky River~~	~~Mouth to Unidentified Tributary~~	~~0.0 to 2.6~~	~~Anderson~~
~~Gladie Creek of Red River*~~	~~Land Use Change to Long Branch~~	~~0.35 to 7.3~~	~~Menifee~~
~~Goose Creek of South Fork of Kentucky River~~	~~Mouth to Laurel Creek~~	~~0.0-9.1~~	~~Clay, Leslie~~
~~Griers Creek of Kentucky River*~~	~~Kentucky River Backwaters to Unidentified Tributary~~	~~0.1 to 3.5~~	~~Woodford~~
~~Grindstone Creek of Kentucky River*~~	~~Kentucky River Backwaters to Headwaters~~	~~0.1 to 1.9~~	~~Franklin~~
~~Hardwick Creek of Red River~~	~~Mouth to Little Hardwick Creek~~	~~0.0-3.2~~	~~Powell~~
~~Hell For Certain of Middle Fork of Red River~~	~~Mouth to Big Fork~~	~~0.0-2.1~~	~~Leslie~~

~~Hines Creek of Kentucky River*~~	~~Kentucky River Backwaters to confluence with Unidentified Tributary~~	~~0.1 to 1.9~~	~~Madison~~
~~Honey Branch of Greasy Creek of Middle Fork of Kentucky River*~~	~~Mouth to Headwaters~~	~~0.0-1.4~~	~~Leslie~~
~~Hopper Cave Branch of Cavanaugh Creek*~~	~~Mouth to Headwaters~~	~~0.0-1.8~~	~~Jackson~~
~~Indian Creek of Eagle Creek*~~	~~Mouth to Headwaters~~	~~0.0 to 5.4~~	~~Carroll~~
~~Indian Fork of Sixmile Creek of Kentucky River*~~	~~Mouth to Headwaters~~	~~0.0-3.3~~	~~Shelby~~
~~John Carpenter Fork of Clemons Fork of Buckhorn Creek*~~	~~Mouth to Headwaters~~	~~0.0-1.2~~	~~Breathitt~~
~~Katies Creek of Red Bird River~~	~~Mouth to Headwaters~~	~~0.0-4.0~~	~~Clay~~
~~Laurel Fork of Left Fork Buffalo Creek of Buffalo Creek~~	~~Cortland Fork to Big Branch~~	~~2.1-3.8~~	~~Owsley~~
~~Left Fork of Big~~	~~Mouth to Headwaters~~	~~0.0-1.5~~	~~Clay~~

~~Double Creek of Kentucky River*~~			
~~Line Fork of North Fork of Kentucky River*~~	~~Defeated Creek to Headwaters~~	~~12.2-28.7~~	~~Letcher~~
~~Little Middle Fork of Elisha Creek of Red Bird River~~	~~Mouth to Headwaters~~	~~0.0-0.75~~	~~Clay~~
~~Little Millseat Branch of Clemons Fork of Buckhorn Creek*~~	~~Mouth to Headwaters~~	~~0.0-1.2~~	~~Breathitt~~
~~Little Sixmile Creek of Sixmile Creek of Kentucky River*~~	~~Mouth to Headwaters~~	~~0.0-5.3~~	~~Henry~~
~~Lower Howard Creek of Kentucky River~~	~~Mouth to West Fork~~	~~0.0-2.7~~	~~Clark~~
~~Lulbegrud Creek of Red River~~	~~Mouth to Falls Branch~~	~~0.0-7.3~~	~~Clark, Powell~~
~~Middle Fork of Kentucky River~~	~~Mouth to Upper Twin Creek~~	~~0.0-12.7~~	~~Lee, Owsley~~
~~Middle Fork of Kentucky River*~~	~~Hurts Creek to Greasy Creek~~	~~73.7-84.0~~	~~Leslie~~
~~Middle Fork of Red~~	~~South Fork of Red River to~~	~~1.8-8.3~~	~~Powell~~

~~River~~	~~Natural Bridge State Park Lake~~		
~~Mikes Branch of Laurel Fork of Left Fork of Buffalo Creek~~	~~Mouth to Headwaters~~	~~0.0-0.7~~	~~Owsley~~
~~Mill Creek of Kentucky River*~~	~~Upstream of Mouth to Headwaters~~	~~0.5-8.3~~	~~Owen~~
~~Millseat Branch of Clemons Fork of Buckhorn Creek*~~	~~Mouth to Headwaters~~	~~0.0-1.9~~	~~Breathitt~~
~~Muddy Creek of Kentucky River*~~	~~Elliston, Kentucky to Viney Creek~~	~~13.5-20.7~~	~~Madison~~
~~Musselman Creek of Eagle Creek*~~	~~Mouth to Headwaters~~	~~0.0-9.0~~	~~Grant~~
~~Red Bird River of South Fork of Kentucky River~~	~~Mouth to Big Creek~~	~~0.0-15.3~~	~~Clay~~
~~Right Fork of Buffalo Creek of Kentucky River*~~	~~Mouth to Headwaters~~	~~0.0-11.75~~	~~Owsley~~
~~Right Fork of Elisha Creek of Redbird River~~	~~Mouth to Headwaters~~	~~0.0-3.3~~	~~Leslie~~

~~Roaring Fork of Lewis Fork of Buckhorn Creek*~~	~~Mouth to Headwaters~~	~~0.0-0.9~~	~~Breathitt~~
~~Rock Lick Creek of South Fork of Station Camp Creek*~~	~~Mouth to Headwaters~~	~~0.0-9.6~~	~~Jackson~~
~~Sand Ripple Creek of Kentucky River*~~	~~Kentucky River Backwaters to Headwaters~~	~~0.1-3.9~~	~~Henry~~
~~Severn Creek of Kentucky River*~~	~~Kentucky River Backwaters to North Fork of Severn Creek~~	~~1.35-3.0~~	~~Owen~~
~~Shaker Creek of Kentucky River~~	~~Near Mouth to Shawnee Run~~	~~0.1-1.4~~	~~Mercer~~
~~Shelly Rock Fork of Millseat Branch of Clemons Fork*~~	~~Mouth to Headwaters~~	~~0.0-0.6~~	~~Breathitt~~
~~Sixmile Creek of Kentucky River*~~	~~Little Sixmile Creek to Dam~~	~~6.9-15.2~~	~~Henry~~
~~South Fork of Kentucky River~~	~~Mouth to Sexton Creek~~	~~0.0-27.9~~	~~Owsley~~
~~South Fork of Red River~~	~~Mouth to Sandlick Fork~~	~~0.0-4.3~~	~~Powell~~
~~South Fork of Station Camp Creek of~~	~~Mouth to Rock Lick Creek~~	~~0.0-9.7~~	~~Jackson~~

~~Kentucky River*~~			
~~Spruce Branch of Redbird River*~~	~~Mouth to Headwaters~~	~~0.0-1.1~~	~~Clay~~
~~Station Camp Creek of Kentucky River*~~	~~Landuse Change to South Fork of Station Camp Creek~~	~~18.0-22.8~~	~~Estill~~
~~Steeles Run of Elkhorn Creek~~	~~Mouth to Unidentified Tributary~~	~~0.0-4.2~~	~~Fayette~~
~~Steer Fork of War Fork of Station Camp Creek*~~	~~Mouth to Headwaters~~	~~0.0-2.7~~	~~Jackson~~
~~Sturgeon Creek of Kentucky River*~~	~~Duck Fork to Little Sturgeon Creek~~	~~1.3-13.7~~	~~Lee, Owsley~~
~~Sugar Creek of Redbird River*~~	~~Landuse Change to Headwaters~~	~~0.6-5.4~~	~~Leslie~~
~~Sulphur Creek of Elkhorn Creek~~	~~Mouth to Headwaters~~	~~0.0-5.2~~	~~Franklin~~
~~Unidentified Tributary of Cawood Branch of Beech Fork*~~	~~Mouth to Headwaters~~	~~0.0-2.1~~	~~Leslie~~
~~Unidentified Tributary of Cedar Creek of Kentucky~~	~~Mouth to Headwaters~~	~~0.0-1.4~~	~~Owen~~

River*			
Unidentified Tributary of Glenns Creek of Kentucky River*	Mouth to Headwaters	0.0 to 1.9	Woodford
Unidentified Tributary of Jacks Creek of Kentucky River*	Mouth to Headwaters	0.0-1.15	Madison
Unidentified Tributary of Kentucky River*	Land Use Change to Headwaters	0.1-1.4	Franklin
Unidentified Tributary of Line Fork of North Fork of Kentucky River* (LCW)	Mouth to Headwaters	0.0-0.6	Letcher
War Fork of Station Camp Creek*	Mouth to Headwaters	0.0-13.9	Jackson
Watches Fork of Laurel Fork of Left Fork of Buffalo Creek	Mouth to Headwaters	0.0-0.9	Owsley
Wolfpen Creek of Red	Mouth to Headwaters	0.0-3.2	Menifee

River*			
SALT RIVER BASIN			
Brashears Creek of Salt River	Guist Creek to Bullskin and Clear Creek	13.0-25.9	Shelby, Spencer
Cedar Creek of Salt River*	Mouth to Greens Branch	0.0-5.2	Bullitt
Chaplin River of Salt River*	Thompson Creek to Cornishville, KY	40.9-54.2	Washington
Doctors Fork of Chaplin River	Mouth to Begley Branch	0.0-3.8	Boyle
Guist Creek of Brashears Creek	Mouth to Jeptha Creek	0.0-15.7	Spencer
Harts Run of Wilson Creek of Rolling Fork of Salt River*	Mouth to Headwaters	0.0-2.4	Bullitt
Indian Creek of Thompson Creek of Chaplin River of Salt River	Mouth to Unidentified Tributary	0.0-0.9	Mercer
Lick Creek of Long Lick Creek of Beech Fork of Salt River	Mouth to 0.1miles below Dam	0.0-4.1	Washington
Otter Creek of Rolling	Landuse Change to confluence	1.7-2.7	Larue

~~Fork of Salt River*~~	~~of East Fork and Middle Fork Otter Creek~~		
~~Overalls Creek of Wilson Creek of Rolling Fork of Salt River*~~	~~Mouth to Headwaters of Middle Fork of Overalls Creek~~	~~0.0-3.0~~	~~Bullitt~~
~~Salt Lick Creek of Rolling Fork of Salt River*~~	~~Mouth to Headwaters~~	~~0.0-8.7~~	~~Larue, Marion~~
~~Sulphur Creek of Chaplin River*~~	~~Mouth to confluence of Cheese Lick and Brush Creek~~	~~0.0-10.0~~	~~Anderson, Mercer, Washington~~
~~Unidentified Tributary of Glens Creek of Chaplin River~~	~~Mouth to Headwaters~~	~~0.0-2.3~~	~~Washington~~
~~West Fork of Otter Creek of Rolling Fork of Salt River*~~	~~Mouth to Headwaters~~	~~0.0-5.4~~	~~Larue~~
~~Wilson Creek of Rolling Fork of Salt River*~~	~~Mouth to Headwaters~~	~~0.0-18.4~~	~~Bullitt, Nelson~~
~~GREEN RIVER BASIN~~			
~~Beaverdam Creek of~~	~~Mouth to Headwaters~~	~~0.0-14.5~~	~~Edmonson~~

~~Green River*~~			
~~Big Brush Creek of Green River~~	~~Brush Creek to Poplar Grove Branch~~	~~13.0 to 17.4~~	~~Green~~
~~Cane Run of Nolin River*~~	~~Nolin River Lake Backwaters to Headwaters~~	~~1.0-6.6~~	~~Hart~~
~~Caney Fork of Peter Creek*~~	~~Mouth to Headwaters~~	~~0.0-6.7~~	~~Barren~~
~~Clifty Creek of Rough River*~~	~~Barton Run to Western Kentucky Parkway~~	~~7.3-17.2~~	~~Grayson~~
~~Clifty Creek of Wolf Lick Creek*~~	~~Little Clifty Creek to Sulphur Lick~~	~~7.6-13.4~~	~~Todd~~
~~East Fork of Little Barren River*~~	~~Red Lick Creek to Flat Creek~~	~~19.3-20.6~~	~~Metcalfe~~
~~Elk Lick Creek~~	~~Duck Lick Creek to Barren Fork Creek and Edger Creek~~	~~3.6 to 11.8~~	~~Allen~~
~~Ellis Fork of Damron Creek*~~	~~Mouth to Headwaters~~	~~0.0-3.2~~	~~Adair, Russell~~
~~Falling Timber Creek of Skaggs Creek*~~	~~Landuse Change to Headwaters~~	~~8.0-15.2~~	~~Barren, Metcalfe~~
~~Fiddlers Creek of North Fork of Rough River*~~	~~Mouth to Headwaters~~	~~0.0-6.0~~	~~Breckinridge~~
~~Forbes Creek of Buck~~	~~Mouth to Unidentified~~	~~0.0-4.4~~	~~Christian~~

~~Creek of East Fork of Pond River*~~	~~Tributary~~		
~~Gasper River of Barren River*~~	~~Clear Fork to Wigginton Creek~~	~~17.2-35.6~~	~~Logan, Warren~~
~~Goose Creek of Green River*~~	~~Mouth to Little Goose Creek~~	~~0.0-8.4~~	~~Casey, Russell~~
~~Green River~~	~~Downstream Mammoth Cave National Park Boundary to Lynn Camp Creek~~	~~183.7-250.3~~	~~Edmonson, Hart~~
~~Halls Creek of Rough River*~~	~~Unidentified Tributary to Headwaters~~	~~7.1-9.7~~	~~Ohio~~
~~Lick Creek of West Fork of Drakes Creek*~~	~~Mouth to Headwaters~~	~~0.0-10.2~~	~~Simpson~~
~~Linders Creek of Rough River*~~	~~Mouth to Sutzer Creek~~	~~0.0-8.0~~	~~Hardin~~
~~Little Beaverdam Creek of Green River*~~	~~Mouth to SR 743~~	~~0.0-11.7~~	~~Edmonson, Warren~~
~~Little Short Creek of Rough River*~~	~~Mouth to Headwaters~~	~~0.0-3.3~~	~~Grayson~~
~~Lynn Camp Creek of Green River*~~	~~Mouth to Lindy Creek~~	~~0.0-8.5~~	~~Hart~~

~~McFarland Creek of West Fork of Pond River*~~	~~Grays Branch to Unidentified Tributary~~	~~1.5-5.8~~	~~Christian~~
~~Meeting Creek of Rough River*~~	~~Little Meeting Creek to Petty Branch~~	~~5.2-13.8~~	~~Grayson, Hardin~~
~~Muddy Creek of Caney Creek of Rough River*~~	~~Landuse Change to Headwaters~~	~~13.0-15.5~~	~~Ohio~~
~~North Fork of Rough River*~~	~~Buffalo Creek to Reservoir Dam~~	~~23.4-28.1~~	~~Breckinridge~~
~~Peter Creek of Barren River*~~	~~Caney Fork to Dry Fork~~	~~11.5-18.4~~	~~Barren~~
~~Pond Run of Rough River*~~	~~Landuse Change to Headwaters~~	~~1.4-6.8~~	~~Breckinridge, Ohio~~
~~Puncheon Creek~~	~~Mouth to Tennessee State Line~~	~~0.0 to 4.3~~	~~Logan~~
~~Rough River*~~	~~Linders Creek to Vertrees Creek~~	~~138.0-149.4~~	~~Hardin~~
~~Russell Creek of Green River*~~	~~Mouth to Columbia WWTP~~	~~0.0-40.9~~	~~Green, Adair~~
~~Russell Creek of Green River*~~	~~Reynolds Creek to confluence with Hudson Creek and Mount Olive Creek~~	~~56.8-66.3~~	~~Adair, Russell~~
~~Sixes Creek of Indian~~	~~Wild Branch to Headwaters~~	~~1.9-7.6~~	~~Ohio~~

~~Camp Creek*~~			
~~Sulphur Branch of Alexander Creek*~~	~~Mouth to Headwaters~~	~~0.0-3.0~~	~~Edmonson~~
~~Thompson Branch of West Fork of Drakes Creek~~	~~Webb Branch to Tennessee State Line~~	~~0.3-1.5~~	~~Simpson~~
~~Trammel of Drakes Creek*~~	~~Mouth to Tennessee State Line~~	~~0.0-30.6~~	~~Allen, Warren~~
~~Unidentified Tributary of Green River*~~	~~Landuse Change to Headwaters~~	~~1.0-3.3~~	~~Adair~~
~~Unidentified Tributary of White Oak Creek*~~	~~Hovious Rd Crossing to SR 76~~	~~0.4-2.9~~	~~Adair~~
~~West Fork of Pond River*~~	~~Unidentified Tributary to East Branch of Pond River~~	~~12.4-22.5~~	~~Christian~~
~~LOWER CUMBERLAND RIVER BASIN~~			
~~Crooked Creek of Cumberland River*~~	~~Energy Lake Backwaters to Headwaters~~	~~3.0-9.4~~	~~Trigg~~
~~Donaldson Creek of Cumberland River*~~	~~Craig Branch to Unidentified Tributary~~	~~3.2-7.2~~	~~Trigg~~
~~Elk of Red River of Cumberland River*~~	~~Tennessee State Line to Dry Branch~~	~~7.5-22.3~~	~~Todd~~

~~Sugar Creek of Cumberland River*~~	~~Lick Creek to Unidentified Tributary~~	~~2.2-6.9~~	~~Livingston~~
~~West Fork of Red River of Cumberland River*~~	~~Tennessee State Line to Montgomery Creek~~	~~16.1-26.5~~	~~Christian~~
~~Whippoorwill Creek of Red River of Cumberland River*~~	~~Mouth to Vicks Branch~~	~~0.0-13.2~~	~~Logan~~
~~TENNESSEE RIVER BASIN~~			
~~Blood River of Kentucky Lake (Tennessee River)*~~	~~McCullough Fork to Tennessee State Line~~	~~12.5-16.0~~	~~Calloway~~
~~Clarks River of Tennessee River~~	~~Persimmon Slough to Middle Fork Creek~~	~~28.7-30.7~~	~~Marshall~~
~~Grindstone Creek of Kentucky Lake (Blood River of Tennessee River)*~~	~~Kentucky Lake Backwaters to Headwaters~~	~~0.6-2.9~~	~~Calloway~~
~~Panther Creek of Kentucky Lake (Blood River of Tennessee River)*~~	~~Kentucky Lake Backwaters to Headwaters~~	~~0.5-5.7~~	~~Calloway~~
~~Soldier Creek of West~~	~~Mouth to South Fork of~~	~~0.0-5.7~~	~~Marshall~~

~~Fork of Clarks River*~~	~~Soldier Creek~~		
~~Sugar Creek of Kentucky Lake (Tennessee River)*~~	~~Kentucky Lake Backwaters to Buzzard Roost Road~~	~~1.9-3.1~~	~~Calloway~~
~~Sugar Creek of West Fork Clarks River*~~	~~Mouth to Unnamed Reservoir~~	~~0.0-4.2~~	~~Graves~~
~~Trace Creek of West Fork of Clarks River*~~	~~Mouth to Neeley Branch~~	~~0.0-3.3~~	~~Graves~~
~~Unidentified Tributary of Panther Creek of West Fork of Clarks River*~~	~~Mouth to Headwaters~~	~~0.0-2.1~~	~~Graves~~
~~West Fork of Clarks River*~~	~~Soldier Creek to Duncan Creek~~	~~20.1-23.4~~	~~Graves~~
~~Wildcat Creek of Kentucky Lake (Blood River of Tennessee River)*~~	~~Ralph Wright Road Crossing to Headwaters~~	~~3.1-6.3~~	~~Calloway~~
~~TRADEWATER RIVER BASIN~~			
~~East Fork of Flynn Fork of Tradewater River*~~	~~Landuse Change to Headwaters~~	~~2.1-4.6~~	~~Caldwell~~
~~Piney Creek of~~	~~Lake Beshear Backwaters to~~	~~4.5-10.2~~	~~Caldwell, Christian~~

~~Tradewater River*~~	~~Headwaters~~		
~~Sandlick Creek of Tradewater River*~~	~~Camp Creek to Headwaters~~	~~4.9-8.6~~	~~Christian~~
~~Tradewater River*~~	~~Dripping Springs Branch to Buntin Lake Dam~~	~~123.2-131.1~~	~~Christian~~
~~Unidentified Tributary of Piney Creek of Tradewater River*~~	~~Mouth to Headwaters~~	~~0.0-2.7~~	~~Caldwell~~
~~Unidentified Tributary of Sandlick Creek of Tradewater River*~~	~~Mouth to Headwaters~~	~~0.0-1.4~~	~~Christian~~
~~OHIO RIVER BASIN (Minor Tributaries)~~			
~~Crooked Creek*~~	~~Rush Creek to City Lake Dam~~	~~18.0-26.4~~	~~Crittenden~~
~~Double Lick Creek of Woolper Creek*~~	~~Mouth to Headwaters~~	~~0.0-3.4~~	~~Boone~~
~~Garrison Creek*~~	~~Mouth to Headwaters~~	~~0.0-4.85~~	~~Boone~~
~~Kinniconick Creek*~~	~~McDowell Creek to Headwaters~~	~~5.0-50.9~~	~~Lewis~~
~~Little South Fork of Big South Fork~~	~~Land Use Change to Headwaters~~	~~1.2-5.9~~	~~Boone~~

~~Middle Fork of Massac Creek*~~	~~Hines Road to Headwaters~~	~~3.1-6.4~~	~~McCracken~~
~~Second Creek*~~	~~Ohio River Backwaters to Headwaters~~	~~0.4-1.4~~	~~Boone~~
~~Unidentified Tributary of Big Sugar Creek*~~	~~I-71 to Headwaters~~	~~1.0-1.8~~	~~Gallatin~~
~~Unidentified Tributary of Corn Creek*~~	~~Mouth to Headwaters~~	~~0.0-2.0~~	~~Trimble~~
~~Unidentified Tributary of Massac Creek*~~	~~Mouth to Headwaters~~	~~0.0-1.7~~	~~McCracken~~
~~West Fork of Massac Creek*~~	~~SR 725 to Little Massac Creek~~	~~3.6-6.2~~	~~McCracken~~
~~Yellowbank Creek*~~	~~Ohio River Backwaters to Headwaters~~	~~1.5-12.0~~	~~Breckinridge~~
~~LAKE~~			
~~Metropolis~~	~~Entire Lake~~	~~-~~	~~McCracken~~
~~MISSISSIPPI RIVER BASIN (Main Stem and Minor Tributaries)~~			
~~Jackson Creek*~~	~~Mouth to Headwaters~~	~~0.0-2.6~~	~~Graves~~
~~Obion Creek*~~	~~Hurricane Creek to Little~~	~~25.2-35.5~~	~~Hickman~~

	~~Creek~~		
~~Terrapin Creek*~~	~~Tennessee State Line to Headwaters~~	~~2.8-7.0~~	~~Graves~~
~~LAKES~~			
~~Murphy's Pond~~	~~Entire Pond and Preserve Area~~	~~-~~	~~Hickman~~
~~Swan~~	~~Entire Lake~~		~~Ballard~~
~~UPPER CUMBERLAND RIVER BASIN~~			
~~Bad Branch of Poor Fork of Cumberland River*~~	~~Mouth to Headwaters~~	~~0.0-3.0~~	~~Letcher~~
~~Bark Camp Creek of Cumberland River*~~	~~Mouth to Martins Fork~~	~~0.0-4.0~~	~~Whitley~~
~~Beaver Creek of Cumberland River*~~	~~Lake Cumberland Backwaters to confluence of Freeman Fork and Middle Fork~~	~~2.0-6.5~~	~~McCreary~~
~~Bee Lick Creek of Brushy Creek of Buck Creek~~	~~Mouth to Warren Branch~~	~~0.0-5.7~~	~~Pulaski~~
~~Brownies Creek of Cumberland River*~~	~~Blacksnake Branch to Headwaters~~	~~9.3-16.7~~	~~Bell, Harlan~~
~~Brush Creek of Roundstone Creek*~~	~~Wolf Creek to Reemergence of Sinking Creek~~	~~1.1-7.6~~	~~Rockcastle~~

~~Brushy Creek of Buck Creek*~~	~~Mouth to Headwaters~~	~~0.0-16.5~~	~~Pulaski~~
~~Buck Creek of Cumberland River*~~	~~0.8 river mile upstream of confluence of Hurricane Creek to Lake Cumberland Backwaters~~	~~8.3-63.3~~	~~Lincoln, Pulaski~~
~~Bunches Creek of Cumberland River*~~	~~Mouth to confluence of Amos Falls Branch and Seminary Branch~~	~~0.0-3.5~~	~~Whitley~~
~~Cane Creek of Rockcastle River*~~	~~Mouth to Headwaters~~	~~0.0-11.9~~	~~Laurel~~
~~Clifty Creek of Brushy Creek of Buck Creek~~	~~Mouth to Rocky Branch~~	~~0.0-2.7~~	~~Pulaski~~
~~Cogur Fork of Indian Creek*~~	~~Mouth to Headwaters~~	~~0.0-7.9~~	~~McCreary~~
~~Cumberland River~~	~~Wild River Boundaries~~	~~558.5-575.1~~	~~McCreary, Whitley~~
~~Dog Slaughter Creek of Cumberland River*~~	~~Mouth to confluence of North Fork and South Fork of Dog Slaughter Creek~~	~~0.0-1.1~~	~~Whitley~~
~~Eagle Creek of Cumberland River*~~	~~Mouth to Headwaters~~	~~0.0-6.7~~	~~McCreary~~
~~Fugitt Creek of~~	~~Landuse Change to~~	~~0.5-4.6~~	~~Harlan~~

~~Clover Fork of Cumberland River*~~	~~Headwaters~~		
~~Horse Lick Creek of Rockcastle River*~~	~~Mouth to Clover Bottom~~	~~0.0-12.4~~	~~Jackson, Rockcastle~~
~~Howards Creek of Illwill Creek of Wolf River*~~	~~Dale Hollow Reservoir Backwaters to Headwaters~~	~~0.6-4.6~~	~~Clinton~~
~~Indian Creek of Cumberland River*~~	~~Laurel Fork to Barren Fork~~	~~2.3-6.8~~	~~McCreary~~
~~Jackie Branch of Bark Camp Creek*~~	~~Mouth to Headwaters~~	~~0.0-1.7~~	~~Whitley~~
~~Kilburn Fork of Indian Creek~~	~~Mouth to Headwaters~~	~~0.0-7.2~~	~~McCreary~~
~~Laurel Creek of Marsh Creek~~	~~Mouth to Laurel Creek Dam~~	~~0.0-9.0~~	~~McCreary~~
~~Laurel Fork of Clear Fork of Cumberland River*~~	~~Tennessee State Line to Tiny Branch~~	~~4.7-13.1~~	~~Whitley~~
~~Laurel Fork of Middle Fork of Rockcastle River*~~	~~Mouth to Headwaters~~	~~0.0-12.4~~	~~Jackson~~
~~Left Fork of Fugitt Creek of Clover Fork~~	~~Mouth to Headwaters~~	~~0.0-1.5~~	~~Harlan~~

~~of Cumberland River~~			
~~Little South Fork of Cumberland River*~~	~~Lake Cumberland Backwaters to Langham Branch~~	~~2.7-35.6~~	~~McCreary, Wayne~~
~~Marsh Creek of Cumberland River*~~	~~Laurel Creek to Headwaters~~	~~8.8-26.3~~	~~McCreary~~
~~Martins Fork of Cumberland River~~	~~Rough Branch to Headwaters~~	~~27.3-37.3~~	~~Harlan~~
~~McFarland Creek of Cumberland River~~	~~Little McFarland Creek to Spring Branch~~	~~0.8-6.2~~	~~Monroe~~
~~Meshack Creek of Cumberland River~~	~~Mouth to Pitcock Branch~~	~~0.0-2.8~~	~~Monroe~~
~~Middle Fork of Rockcastle River*~~	~~Mouth to confluence of Indian Creek and Laurel Fork~~	~~0.0-7.9~~	~~Jackson~~
~~Mud Camp Creek of Cumberland River*~~	~~Mouth to Collins Branch~~	~~0.0-1.2~~	~~Cumberland~~
~~Mud Camp Creek of Cumberland River*~~	~~Unidentified Tributary to Headwaters~~	~~3.8-8.8~~	~~Cumberland, Monroe~~
~~Otter Creek of Cumberland River~~	~~Lake Cumberland Backwaters to Carpenter Fork~~	~~15.6-24.3~~	~~Wayne~~
~~Poor Fork of Cumberland River*~~	~~Franks Creek to Headwaters~~	~~41.4-51.7~~	~~Letcher~~
~~Presley House Branch of Poor Fork of~~	~~Mouth to Headwaters~~	~~0.0-1.5~~	~~Letcher~~

~~Cumberland River*~~			
~~Puncheoncamp Branch of Rock Creek of South Fork of Cumberland River*~~	~~Mouth to Headwaters~~	~~0.0-1.9~~	~~McCreary~~
~~Rock Creek of South Fork of Cumberland River*~~	~~White Oak Creek to Tennessee State Line~~	~~4.1-21.6~~	~~McCreary~~
~~Rockcastle River~~	~~Wild River Boundaries~~	~~8.8-24.8~~	~~Laurel, Pulaski~~
~~Shillalah Creek of Clear Fork of Yellow Creek*~~	~~Mouth to Headwaters~~	~~0.0-5.5~~	~~Bell~~
~~Sinking Creek of Rockcastle River*~~	~~Mouth to White Oak Creek~~	~~0.0-9.9~~	~~Laurel~~
~~Sulphur Creek of Wolf River of Obey River*~~	~~Dale Hollow Reservoir Backwaters to Headwaters~~	~~1.4-5.1~~	~~Clinton~~
~~South Fork of Dog Slaughter Creek of Cumberland River*~~	~~Mouth to Headwaters~~	~~0.0-4.6~~	~~Whitley~~
~~South Fork of Rockcastle River~~	~~Mouth to White Oak Creek~~	~~0.0-5.8~~	~~Laurel~~
~~Unidentified~~	~~Mouth to Headwaters~~	~~0.0-1.9~~	~~McCreary~~

~~Tributary (across from Hemlock Grove) of Rock Creek of South Fork of Cumberland River*~~			
~~Unidentified Tributary (RMI 17.0 of Rock Creek) of Rock Creek of South Fork of Cumberland River*~~	**~~Mouth to Headwaters~~**	**~~0.0-1.15~~**	**~~McCreary~~**
~~Watts Branch of Rock Creek of South Fork of Cumberland River*~~	**~~Mouth to Headwaters~~**	**~~0.0-2.6~~**	**~~McCreary~~**
~~Watts Creek of Cumberland River*~~	**~~Camp Blanton Reservoir to Headwaters~~**	**~~2.2-4.4~~**	**~~Harlan~~]**

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[~~Table 2~~ ~~SURFACE WATERS CATEGORIZED AS EXCEPTIONAL WATER~~			
~~Stream~~	~~Segment~~	~~River Miles~~	~~County~~
~~BIG SANDY RIVER BASIN~~			

~~Hobbs Fork*~~	~~Mouth to Headwaters~~	~~0.0-3.8~~	~~Martin~~
~~Hobbs Fork Unidentified Tributary*~~	~~Hobbs Fork to Headwaters~~	~~0.0-0.55~~	~~Martin~~
~~Lower Pigeon Branch*~~	~~Left Fork to Headwaters~~	~~0.5-1.7~~	~~Pike~~
~~Russell Fork*~~	~~Clinch Field RR Yard off HWY 80 to Virginia Stateline~~	~~14.4-16~~	~~Pike~~
~~Toms Branch*~~	~~Mouth to Headwaters~~	~~0.0-1.4~~	~~Pike~~
~~LITTLE SANDY RIVER BASIN~~			
~~Arabs Fork*~~	~~Clay Fork to Headwaters~~	~~0.0-4.7~~	~~Carter~~
~~Big Caney Creek*~~	~~Grayson Lake to Headwaters~~	~~0.0-14.9~~	~~Elliott~~
~~Big Sinking Creek*~~	~~SR 986 to Clay Fork and Arab Fork~~	~~10.7-15.2~~	~~Carter~~
~~Meadow Branch*~~	~~Mouth to Headwaters~~	~~0.0-1.4~~	~~Elliott~~
~~Middle Fork Little Sandy River*~~	~~Mouth to Sheepskin Branch~~	~~0.0-3.6~~	~~Elliott~~
~~Nichols Fork*~~	~~Green Branch to Headwaters~~	~~0.0-1.9~~	~~Elliott~~
~~Laurel Creek*~~	~~Carter School Rd Bridge to Headwaters~~	~~7.6-14.4~~	~~Elliott~~
~~LICKING RIVER BASIN~~			
~~Blackwater Creek*~~	~~Eaton Creek to Greasy Fork~~	~~3.8-11.4~~	~~Morgan~~

~~Botts Fork~~	~~Mouth to Landuse Change~~	~~0.0-2.1~~	~~Menifee~~
~~Brushy Fork~~	~~Cave Run Lake Backwaters to Headwaters~~	~~0.6-5.0~~	~~Menifee~~
~~Brushy Fork*~~	~~Mouth to Headwaters~~	~~0.0-5.7~~	~~Pendleton~~
~~Bucket Branch*~~	~~Mouth to Headwaters~~	~~0.0-1.9~~	~~Morgan~~
~~Craney Creek~~	~~Mouth to Headwaters~~	~~0.0-10.0~~	~~Rowan~~
~~Devils Fork*~~	~~Mouth to Headwaters~~	~~0.0-7.8~~	~~Morgan~~
~~Grovers Creek*~~	~~Kincaid Lake Backwaters to Unidentified Tributary~~	~~0.5-3.4~~	~~Pendleton~~
~~Licking River~~	~~SR 211 to unnamed Rd off Slatey Point Rd~~	~~154.5-165.0~~	~~Bath/Rowan~~
~~North Fork of Licking River*~~	~~Cave Run Lake Backwaters to Devils Fork~~	~~9.9-14.2~~	~~Morgan~~
~~Slabcamp Creek~~	~~Mouth to Headwaters~~	~~0.0-3.4~~	~~Rowan~~
~~South Fork Grassy Creek*~~	~~Mouth to Greasy Creek~~	~~0.0-19.6~~	~~Pendleton~~
~~Welch Fork*~~	~~Mouth to First Road Crossing~~	~~0.0-1.0~~	~~Menifee~~
~~West Creek*~~	~~Mouth to Headwaters~~	~~0.0-9.5~~	~~Robertson~~
~~KENTUCKY RIVER BASIN~~			
~~Big Double Creek*~~	~~Mouth to Headwaters~~	~~0.0-6.5~~	~~Clay~~
~~Bill Branch*~~	~~Mouth to Right Fork and Left Fork~~	~~0.0-2.2~~	~~Leslie~~

	Creek		
Buffalo Creek*	Mouth to Right Fork and Left Fork	0.0-1.6	Owsley
Cavanaugh Creek*	South Fork of Station Camp Creek to Foxtown Rd	0.0-5.3	Jackson
Cawood Branch*	Mouth to Headwaters	0.0-2.1	Leslie
Cedar Creek Unidentified Tributary*	Mouth to Headwaters	0.0-1.4	Owen
Chester Creek*	Mouth to Headwaters	0.0-2.8	Wolfe
Clear Creek*	Mouth to East Fork Clear Creek	0.0-8.8	Woodford
Clemons Fork*	Mouth to Headwaters	0.0-4.7	Breathitt
Coles Fork*	Mouth to Headwaters	0.0-5.5	Breathitt
Drennon Creek*	Flat Bottom Road Crossing to Town Branch	10.5-11.9	Henry
East Fork of Indian Creek*	West Fork of Indian Creek to Headwaters	0.0-8.5	Menifee
Elisha Creek*	Elisha Creek Rd Crossing to Right Fork and Middle Fork Elisha Creek	0.95-1.7	Leslie
Emily Run	Mouth to Unidentified Tributary	0.0-3.9	Henry
Evans Fork*	Mouth to Headwaters	0.0-2.9	Estill
Falling Rock Branch*	Mouth to Headwaters	0.0-0.6	Breathitt
Gladie Creek*	Mouth to Headwaters	0.0-8.4	Menifee
Glenns Creek	Landuse Change to Headwaters	0.2-1.3	Woodford

~~Unidentified Tributary~~			
~~Goose Creek~~	~~Mouth to Laurel Creek~~	~~0.0-9.3~~	~~Clay~~
~~Griers Creek*~~	~~Urban Area to Unidentified Tributary~~	~~2.9-3.4~~	~~Woodford~~
~~Grindstone Creek*~~	~~Mouth to Headwaters~~	~~0.0-2.2~~	~~Franklin~~
~~Hardwick Creek~~	~~Mouth to Little Hardwick Creek~~	~~0.0-3.2~~	~~Powell~~
~~Hell For Certain~~	~~Mouth to Big Fork~~	~~0.0-2.1~~	~~Leslie~~
~~Hines Creek*~~	~~Mouth to Hines Creek Road Crossing~~	~~0.0-2.4~~	~~Madison~~
~~Honey Branch~~	~~Mouth to Headwaters~~	~~0.0-1.4~~	~~Leslie~~
~~Hopper Cave* Branch~~	~~Mouth to Headwaters~~	~~0.0-1.6~~	~~Jackson~~
~~Indian Creek*~~	~~Backwater Kentucky River to Headwaters~~	~~0.55-4.7~~	~~Carroll~~
~~Indian Fork*~~	~~Mouth to Headwaters~~	~~0.0-3.3~~	~~Shelby~~
~~John Carpenter Fork*~~	~~Mouth to Headwaters~~	~~0.0-1.5~~	~~Breathitt~~
~~Left Fork Big Double Creek*~~	~~Mouth to Headwaters~~	~~0.0-1.5~~	~~Clay~~
~~Line Fork*~~	~~Defeated Creek to Headwaters~~	~~11.6-27.5~~	~~Letcher~~
~~Line Fork Unidentified Tributary* (LCW)~~	~~Mouth to Headwaters~~	~~0.0-0.55~~	~~Letcher~~
~~Little Millseat Branch*~~	~~Mouth to Headwaters~~	~~0.0-1.2~~	~~Breathitt~~

~~Little Sixmile Creek*~~	~~Mouth to Headwaters~~	~~0.0-5.2~~	~~Henry~~
~~Lulbegrud Creek~~	~~Mouth to Falls Branch~~	~~0.0-7.3~~	~~Clark/Powell~~
~~Middle Fork of Kentucky River~~	~~Mouth to Upper Twin Creek~~	~~0.0-12.5~~	~~Lee~~
~~Middle Fork of Kentucky River~~	~~Hyden, Kentucky to Greasy Creek~~	~~76.1-84.0~~	~~Leslie~~
~~Middle Fork of Red River~~	~~South Fork Red River to Natural Bridge State Park Lake~~	~~1.8-8.3~~	~~Powell~~
~~Mill Creek*~~	~~Mouth to Headwaters~~	~~0.0-8.3~~	~~Owen~~
~~Millseat Branch*~~	~~Mouth to Headwaters~~	~~0.0-1.9~~	~~Breathitt~~
~~Muddy Creek*~~	~~Elliston, Kentucky to Viney Creek~~	~~13.4-20.2~~	~~Madison~~
~~Musselman Creek*~~	~~Mouth to Headwaters~~	~~0.0-8.4~~	~~Grant~~
~~Red Bird River~~	~~Mouth to Big Creek~~	~~0.0-15.0~~	~~Clay~~
~~Right Fork of Buffalo Creek*~~	~~Mouth to Headwaters~~	~~0.0-11.2~~	~~Owsley~~
~~Roaring Fork*~~	~~Mouth to Headwaters~~	~~0.0-0.85~~	~~Breathitt~~
~~Sand Ripple Creek*~~	~~Mouth to Headwaters~~	~~0.0-3.9~~	~~Henry~~
~~Severn Creek*~~	~~Mouth to North Fork Severn Creek~~	~~0.0-2.8~~	~~Owen~~
~~Shelly Rock Fork*~~	~~Mouth to Headwaters~~	~~0.0-0.6~~	~~Breathitt~~

~~Sixmile Creek*~~	~~Little Sixmile to Dam~~	~~6.9-14.7~~	~~Henry~~
~~South Fork of Kentucky River~~	~~Mouth to Sexton Creek~~	~~0.0-27.7~~	~~Owsley~~
~~South Fork of Red River~~	~~Mouth to Sandlick Fork~~	~~0.0-3.9~~	~~Powell~~
~~South Fork of Station Camp Creek*~~	~~Mouth to Rock Lick Creek~~	~~0.0-9.6~~	~~Jackson~~
~~Spruce Branch*~~	~~Mouth to Headwaters~~	~~0.0-1.1~~	~~Leslie~~
~~Station Camp Creek*~~	~~Landuse Change to South Fork Station Camp Creek~~	~~19.0-22.3~~	~~Estill~~
~~Steer Fork*~~	~~Mouth to Headwaters~~	~~0.0-2.9~~	~~Jackson~~
~~Sturgeon Creek*~~	~~Duck Fork to Little Sturgeon Creek~~	~~1.3-13.7~~	~~Lee~~
~~Sugar Creek*~~	~~Landuse Change to Headwaters~~	~~0.8-3.8~~	~~Leslie~~
~~War Fork*~~	~~Mouth to Headwaters~~	~~0.0-13.7~~	~~Jackson~~
~~Wolfpen Creek*~~	~~Mouth to Headwaters~~	~~0.0-3.2~~	~~Menifee~~
~~SALT RIVER BASIN~~			
~~Brashears Creek~~	~~Guist Creek to Bullskin and Clear Creek~~	~~13.0-25.5~~	~~Shelby~~
~~Cedar Creek*~~	~~Mouth to Greens Branch~~	~~0.0-5.1~~	~~Bullitt~~
~~Chaplin River*~~	~~Thompson Creek to Cornishville,~~	~~40.1-~~	~~Washington~~

	~~KY~~	~~53.7~~	
~~Guist Creek~~	~~Mouth to Jeptha Creek~~	~~0.0-15.4~~	~~Spencer~~
~~Harts Run*~~	~~Mouth to Headwaters~~	~~0.0-2.3~~	~~Bullitt~~
~~Otter Creek*~~	~~Landuse Change to East Fork and Middle Fork Otter Creek~~	~~1.7-2.7~~	~~Larue~~
~~Overalls Creek*~~	~~Mouth to Headwaters~~	~~0.0-1.3~~	~~Bullitt~~
~~Salt Lick Creek*~~	~~Mouth to Headwaters~~	~~0.0-8.4~~	~~Marion~~
~~Sulphur Creek*~~	~~Mouth to Chesse Lick and Brush Creek~~	~~0.0-9.7~~	~~Anderson~~
~~West Fork Otter Creek*~~	~~Mouth to Headwaters~~	~~0.0-4.7~~	~~Larue~~
~~Wilson Creek*~~	~~Mouth to Headwaters~~	~~0.0-17.0~~	~~Bullitt~~
~~GREEN RIVER BASIN~~			
~~Beaverdam Creek*~~	~~Mouth to Headwaters~~	~~0.0-14.1~~	~~Edmonson~~
~~Cane Run*~~	~~Nolin River Backwaters to Headwaters~~	~~1-6.5~~	~~Hart~~
~~Caney Fork*~~	~~Mouth to Headwaters~~	~~0.0-6.6~~	~~Barren~~
~~Clifty Creek*~~	~~Barton Run to Western Kentucky Parkway~~	~~7.3-17.2~~	~~Grayson~~
~~Clifty Creek*~~	~~Little Clifty Creek to Sulphur Lick~~	~~7.7-~~	~~Todd~~

		13.2	
East Fork Little Barren River*	Red Lick Creek to Flat Creek	19-20.2	Metcalfe
Ellis Fork*	Mouth to Headwaters	0.0-3.2	Adair
Falling Timber Creek*	Landuse Change to Headwaters	7-15.5	Metcalfe
Fiddlers Creek*	Mouth to Headwaters	0.0-5.8	Breckinridge
Forbes Creek*	Mouth to Unidentified Tributary	0.0-3.9	Christian
Gasper River*	Clear Fork to Wiggington Creek	17.0-35.2	Logan
Goose Creek*	Mouth to Little Goose Creek	0.0-8.1	Casey
Green River	Downstream Mammoth Cave National Park Boundary to Lynn Camp Creek	181.7-207.8	Edmonson
Green River Unidentified Tributary*	Landuse Change to Headwaters	0.8-3.2	Adair
Halls Creek*	Unidentified Tributary to Headwaters	9.6-12.1	Ohio
Lick Creek*	Mouth to Headwaters	0.0-9.9	Simpson
Linders Creek*	Mouth to Sutzer Creek	0.0-7.7	Hardin
Little Beaverdam Creek	Mouth to SR 743	0.0-11.3	Warren
Little Short Creek*	Mouth to Headwaters	0.0-3.0	Grayson

~~Lynn Camp Creek*~~	~~Mouth to Lindy Creek~~	~~0.0-8.3~~	~~Hart~~
~~McFarland Creek*~~	~~Grays Branch to Unidentified Tributary~~	~~1.4-4.8~~	~~Christian~~
~~Meeting Creek*~~	~~Little Meeting Creek to Petty Branch~~	~~5.2-13.8~~	~~Hardin~~
~~Muddy Creek*~~	~~Landuse Change to Headwaters~~	~~13.0-15.5~~	~~Ohio~~
~~North Fork Rough River*~~	~~Buffalo Creek to Reservoir Dam~~	~~23.44-28.1~~	~~Breckinridge~~
~~Peter Creek*~~	~~Caney Fork to Dry Fork~~	~~11.6-18.5~~	~~Barren~~
~~Pond Run*~~	~~Landuse Change to Headwaters~~	~~1.4-6.8~~	~~Breckinridge/Ohio~~
~~Rough River*~~	~~Linders Creek to Vertrees Creek~~	~~136.9-147.8~~	~~Hardin~~
~~Russell Creek*~~	~~Mouth to Columbia WWTP~~	~~0.0-40.0~~	~~Adair~~
~~Russell Creek*~~	~~Reynolds Creek to Headwaters~~	~~55.9-68.2~~	~~Adair~~
~~Sixes Creek*~~	~~Wild Branch to Headwaters~~	~~2.0-7.5~~	~~Ohio~~
~~Sulphur Branch*~~	~~Mouth to Headwaters~~	~~0.0-2.0~~	~~Edmonson~~
~~Trammel Fork*~~	~~Mouth to Tennessee Stateline~~	~~0.0-30.15~~	~~Allen~~

~~West Fork Pond River*~~	~~Unidentified Tributary to East Branch Pond River~~	~~12.7-22.5~~	~~Christian~~
~~White Oak Creek Unidentified Tributary*~~	~~Hovious Rd Crossing to SR 76~~	~~0.4-3.0~~	~~Adair~~
~~LOWER CUMBERLAND RIVER BASIN~~			
~~Crooked Creek*~~	~~Lake Barkley Backwaters to Headwaters~~	~~4.0-9.4~~	~~Trigg~~
~~Donaldson Creek*~~	~~Craig Branch to Unidentified Tributary~~	~~6.9-10.3~~	~~Trigg~~
~~Elk Creek*~~	~~Tennessee Stateline to Dry Branch~~	~~7.5-9.8~~	~~Logan~~
~~Sugar Creek*~~	~~Lick Creek to Unidentified Tributary~~	~~2.1-6.7~~	~~Livingston~~
~~West Fork of Red River*~~	~~Tennessee Stateline to Montgomery Creek~~	~~16.1-26.5~~	~~Christian~~
~~Whippoorwill Creek*~~	~~Mouth to Vicks Branch~~	~~0.0-13.0~~	~~Logan~~
~~TENNESSEE RIVER BASIN~~			
~~Blood River*~~	~~McCullough Fork to Tennessee Stateline~~	~~12.2-15.65~~	~~Calloway~~
~~Clarks River~~	~~Persimmon Slough to Middle Fork Creek~~	~~26.6-28.4~~	~~Marshall~~
~~Grindstone Creek*~~	~~Mouth to Headwaters~~	~~0.0-2.3~~	~~Calloway~~

~~Panther Creek*~~	~~Mouth to Headwaters~~	~~0.0-5.1~~	~~Calloway~~
~~Panther Creek*~~	~~Channelization to Impoundment~~	~~1.1-6.0~~	~~Graves~~
~~Panther Creek Unidentified Tributary*~~	~~Mouth to Headwaters~~	~~0.0-2.1~~	~~Graves~~
~~Soldier Creek*~~	~~Mouth to South Fork Solider~~	~~0.0-5.3~~	~~Marshall~~
~~Sugar Creek*~~	~~Kentucky Lake Backwaters to Buzzard Roost Road~~	~~2.1-3.3~~	~~Calloway~~
~~Sugar Creek*~~	~~Mouth to Unnamed Reservoir~~	~~0.0-4.0~~	~~Graves~~
~~Trace Creek*~~	~~Mouth to Neeley Branch~~	~~0.0-3.0~~	~~Graves~~
~~West Fork Clarks River*~~	~~Soldier Creek to Duncan Creek~~	~~19.7-22.7~~	~~Graves~~
~~Wildcat Creek*~~	~~Ralph Wright Road Crossing to Headwaters~~	~~3.5-6.7~~	~~Calloway~~
~~TRADEWATER RIVER BASIN~~			
~~East Fork Flynn Fork*~~	~~Landuse Change to Headwaters~~	~~2.5-4.6~~	~~Caldwell~~
~~Piney Creek*~~	~~Lake Beshear Backwaters to Headwaters~~	~~4.5-10.2~~	~~Caldwell~~
~~Piney Creek Unidentified Tributary*~~	~~Mouth to Headwaters~~	~~0.0-2.9~~	~~Caldwell~~
~~Sandlick Creek*~~	~~Camp Creek to Headwaters~~	~~4.9-9.0~~	~~Christian~~
~~Sandlick Creek Unidentified Tributary*~~	~~Mouth to Headwaters~~	~~0.0-1.4~~	~~Christian~~

~~Tradewater River*~~	~~Dripping Springs Branch to Buntin Lake Dam~~	~~123.2-131.1~~	~~Christian~~
~~OHIO RIVER BASIN (Main Stem and Minor Tributaries)~~			
~~Big Sugar Creek Unidentified Tributary*~~	~~I-71 to Headwaters~~	~~1.0-3.6~~	~~Gallatin~~
~~Corn Creek Unidentified Tributary*~~	~~Mouth to Headwaters~~	~~0.0-2.0~~	~~Trimble~~
~~Crooked Creek*~~	~~Rush Creek to City Lake Dam~~	~~17.5-25.6~~	~~Crittenden~~
~~Double Lick Creek*~~	~~Mouth to Landuse Change~~	~~0.0-1.4~~	~~Boone~~
~~Garrison Creek*~~	~~Mouth to Headwaters~~	~~0.0-4.1~~	~~Boone~~
~~Kinniconick Creek*~~	~~McDowell Creek to Headwaters~~	~~5.1-50.4~~	~~Lewis~~
~~Massac Creek Unidentified Tributary*~~	~~Mouth to Headwaters~~	~~0.0-1.7~~	~~McCracken~~
~~Middle Fork Massac Creek*~~	~~Hines Road to Headwaters~~	~~3.15-6.2~~	~~McCracken~~
~~West Fork Massac Creek*~~	~~SR 725 to Little Massac Creek~~	~~3.2-5.4~~	~~McCracken~~
~~Second Creek*~~	~~Private Road Crossing to Headwaters~~	~~0.5-2.9~~	~~Boone~~
~~Yellowbank Creek*~~	~~Ohio River Backwaters to~~	~~1.4-~~	~~Breckinridge~~

	~~Headwaters~~	~~11.4~~	
~~LAKES AND RESERVOIRS~~			
~~Metropolis~~	~~Entire Lake~~	~~-~~	~~McCracken~~
~~Swan~~	~~Entire Lake~~	~~-~~	~~Ballard~~
~~MISSISSIPPI RIVER BASIN~~ ~~(Main Stem and Minor Tributaries)~~			
~~Jackson Creek*~~	~~Mouth to Headwaters~~	~~0.0-2.6~~	~~Graves~~
~~Obion Creek*~~	~~Hurricane Creek to Little Creek~~	~~25.2-35.5~~	~~Hickman~~
~~Terrapin Creek*~~	~~Tennessee Stateline to Headwaters~~	~~2.8-7~~	~~Graves~~
~~Murphy's Pond~~	~~Entire Pond and Preserve Area~~	~~-~~	~~Hickman~~
~~UPPER CUMBERLAND RIVER BASIN~~			
~~Bad Branch*~~	~~Mouth to Headwaters~~	~~0.0-3.0~~	~~Letcher~~
~~Bark Camp Creek*~~	~~Mouth to Martins Fork~~	~~0.0-3.95~~	~~Whitley~~
~~Beaver Creek*~~	~~Mouth to Freeman Fork and Middle Fork~~	~~0.0-6.5~~	~~McCreary~~
~~Bee Lick Creek~~	~~Mouth to Unidentified Tributary~~	~~0.0-5.7~~	~~Pulaski~~
~~Brownies Creek*~~	~~Blacksnake Branch to Headwaters~~	~~9.0-16.0~~	~~Bell~~
~~Brush Creek~~	~~Wolf Creek to Reemergence of Sinking Creek~~	~~1.1-7.6~~	~~Rockcastle~~

~~Brushy Creek*~~	~~Mouth to Headwaters~~	~~0.0-16.0~~	~~Pulaski~~
~~Buck Creek*~~	~~Lake Cumberland Backwaters to Headwaters~~	~~5.0-62.6~~	~~Pulaski~~
~~Bunches Creek*~~	~~Mouth to Headwater~~	~~0.0-3.3~~	~~Whitley~~
~~Cane Creek*~~	~~Mouth to Headwaters~~	~~0.0-12.0~~	~~Laurel~~
~~Clifty Creek~~	~~Mouth to Rocky Branch~~	~~0.0-2.7~~	~~Pulaski~~
~~Cogur Fork*~~	~~Mouth to Headwaters~~	~~0.0-7.9~~	~~McCreary~~
~~Cumberland River~~	~~Wild River Boundaries~~	~~558.5-574.6~~	~~McCreary/ Whitley~~
~~Dog Slaughter Creek*~~	~~Mouth to North Fork and South Fork~~	~~0.0-1.1~~	~~Whitley~~
~~Eagle Creek*~~	~~Mouth to Headwaters~~	~~0.0-6.3~~	~~McCreary~~
~~Fugitt Creek*~~	~~Landuse Change to Headwaters~~	~~0.5-4.9~~	~~Harlan~~
~~Horse Lick Creek*~~	~~Mouth to Clover Bottom~~	~~0.0-12.3~~	~~Jackson~~
~~Howards Creek*~~	~~Dale Hollow lake Backwaters to Headwaters~~	~~0.8-3.4~~	~~Clinton~~
~~Indian Creek*~~	~~Laurel fork to Barren Fork~~	~~2.3-6.7~~	~~McCreary~~
~~Jackie Branch*~~	~~Mouth to Headwaters~~	~~0.0-1.7~~	~~Whitley~~
~~Kilburn Fork~~	~~Mouth to Headwaters~~	~~0.0-6.3~~	~~McCreary~~

~~Laurel Creek~~	~~Mouth to Laurel Creek Dam~~	~~0.0-9.2~~	~~McCreary~~
~~Laurel Fork*~~	~~Tennessee Stateline to Tiny Branch/Pine Creek~~	~~4.2-13.0~~	~~Whitley~~
~~Laurel Fork*~~	~~Mouth to Headwaters~~	~~0.0-12.2~~	~~Jackson~~
~~Little South Fork of Cumberland River*~~	~~Mouth to Langham Branch~~	~~0.0-35.6~~	~~Wayne~~
~~Marsh Creek*~~	~~Laurel Creek to Headwaters~~	~~8.6-26.2~~	~~McCreary~~
~~Martins Fork of Cumberland River~~	~~Wild River Boundaries~~	~~27.4-31.3~~	~~Harlan~~
~~McFarland Creek~~	~~Little McFarland Creek to Spring Branch~~	~~0.8-6.2~~	~~Monroe~~
~~Meshack Creek~~	~~Mouth to Headwaters~~	~~0.0-2.8~~	~~Monroe~~
~~Middle Fork Rockcastle River*~~	~~Mouth to Horse Lick Creek~~	~~0.0-7.8~~	~~Jackson~~
~~Mud Camp Creek*~~	~~Mouth to Collins Branch~~	~~0.0-1.3~~	~~Cumberland~~
~~Mud Camp Creek*~~	~~Unidentified Tributary to Headwaters~~	~~3.7-8.4~~	~~Monroe/Cumberland~~
~~Otter Creek~~	~~Lake Cumberland Backwaters to Carpenter Fork~~	~~14.5-22.0~~	~~Wayne~~
~~Poor Fork Cumberland River*~~	~~Franks Creek to Headwaters~~	~~46.1-51.7~~	~~Letcher~~

~~Presley House Branch*~~	~~Mouth to Headwaters~~	~~0.0-1.5~~	~~Letcher~~
~~Puncheoncamp Branch*~~	~~Mouth to Headwaters~~	~~0.0-1.9~~	~~McCreary~~
~~Rock Creek*~~	~~White Oak Creek to Tennessee Stateline~~	~~4.1-21.9~~	~~McCreary~~
~~Rock Creek Unidentified Tributary*~~	~~Mouth to Headwaters~~	~~0.0-1.9~~	~~McCreary~~
~~Rock Creek Unidentified Tributary*~~	~~Mouth to Headwaters~~	~~0.0-1.15~~	~~McCreary~~
~~Rockcastle River~~	~~Wild River Boundaries~~	~~8.5-24.4~~	~~Laurel/ Pulaski~~
~~Shillalah Creek*~~	~~Mouth to Headwaters~~	~~0.0-5.5~~	~~Bell~~
~~Sinking Creek*~~	~~Mouth to White Oak Creek~~	~~0.0-9.8~~	~~Laurel~~
~~Sulphur Creek*~~	~~Dale Hollow Backwaters to Headwaters~~	~~2.0-5.1~~	~~Clinton~~
~~South Fork of Dog Slaughter Creek*~~	~~Mouth to Headwaters~~	~~0.0-4.6~~	~~Whitley~~
~~South Fork Rockcastle River~~	~~Mouth to White Oak Creek~~	~~0.0-5.6~~	~~Laurel~~
~~Watts Branch*~~	~~Mouth to Headwaters~~	~~0.0-2.6~~	~~McCreary~~
~~Watts Creek*~~	~~Lake to Headwaters~~	~~2.2-4.3~~	~~Harlan~~]

*Waterbodies in the cabinet's reference reach network

(a) Categorization criteria. A surface water shall be categorized as an exceptional water if

any of the following criteria are met:

1. Surface water is designated as a Kentucky Wild River and is not categorized as an outstanding national resource water;

2. Surface water is designated as an outstanding state resource water as set forth in 401 KAR 10:031 [~~401 KAR 5:031~~], Section 8(1)(a)1, 2, and 3 and Section 8(1)(b);

3. Surface water contains either of the following:

a. A fish community that is rated "excellent" by the use of the Index of Biotic Integrity included in **[**~~"~~**]**Development and Application of the Kentucky Index of Biotic Integrity (KIBI)**[**~~"~~**]**, 2003[~~, incorporated by reference in Section 3 of this administrative regulation~~]; or

b. A macroinvertebrate community that is rated "excellent" by the Macroinvertebrate Bioassessment Index included in "The Kentucky Macroinvertebrate Bioassessment Index," 2003[~~, incorporated by reference in Section 3 of this administrative regulation~~]; or

4. Surface water in the cabinet's reference reach network.

(b) Implementation procedure.

1. Dischargers listed in clauses a through e of this subparagraph shall be [~~are~~] subject to control by existing cabinet programs including the Kentucky Pollution Discharge Elimination System program, 401 KAR 5:050-5:080. Subparagraphs 2 through 9 of this paragraph shall not apply to those dischargers identified in clauses a through e of this paragraph, except the cabinet shall assure water quality necessary to fully protect existing uses.

a. [~~"~~]KPDES general permits for[~~"~~] storm water discharge;

b. Coal mining discharge subject to regulation under the Surface Mining Control and Reclamation Act 30 U.S.C. 1201-1328 and 33 U.S.C. 1344;

c. Domestic sewage discharge from a single-family residence;

d. Concentrated animal feeding operations; and

e. KPDES permit renewals and modifications that result in less than a twenty (20) percent increase in pollutant loading from the previously permitted pollutant loading.

2. Zones of initial dilution shall be [~~are~~] prohibited in exceptional water unless assigned before December 12, 1999 [~~the effective date of this administrative regulation~~].

3. Except as provided in subparagraph 7 of this paragraph, a KPDES permit for a new discharger or expanded discharge permitted on or after July 12, 1995 into exceptional water shall contain effluent limitations for the entire effluent and shall have an effluent quality of:

a. A chronic whole effluent toxicity limitation shall apply unless an acute whole effluent toxicity limitation is more stringent; and

b. Chloride limitations shall be based on the domestic water supply criterion of 250 mg/l.

4. Except as provided in subparagraph 7 of this paragraph, a KPDES permit for a new domestic sewage discharger or expanded domestic sewage discharge permitted after July 12, 1995 into exceptional water shall contain effluent limitations for the entire effluent and shall have an effluent quality of:

a. Not [~~No~~] greater than ten (10) mg/l five (5) day carbonaceous biochemical oxygen demand;

b. Not [~~No~~] greater than two (2) mg/l ammonia-nitrogen;

c. Not [~~No~~] greater than 0.010 mg/l total residual chlorine;

d. Not [~~No~~] greater than ten (10) mg/l total suspended solids;

e. Not [~~No~~] greater than one (1) mg/l total phosphorous;

f. A minimum of seven (7) mg/l dissolved oxygen;

g. The geometric mean [~~An arithmetic mean value~~] for fecal coliform bacteria shall not [~~to~~]

exceed 200 colonies per 100 milliliters during a period of thirty (30) consecutive days or 400 colonies per 100 milliliters during a period of seven (7) consecutive days, or the geometric [~~an arithmetic~~] mean for Escherichia coli bacteria shall not [~~to~~] exceed 130 colonies per 100 milliliters during a period of thirty (30) consecutive days or 230 colonies per 100 milliliters during a period of seven (7) consecutive days; and

h. The discharge shall not cause the average instream dissolved oxygen concentration to be less than six and zero-tenths (6.0) mg/l.

5. Except as provided in subparagraph (7) of this paragraph, a KPDES permit for a new nondomestic discharger or an expanded nondomestic discharge permitted after July 12, 1995 into exceptional water shall be restricted to not [~~no~~] more than one-half (1/2) of the water quality based limitations that would have been permitted at standard design conditions.

6. If the permit applicant accepts the effluent limitations required by subparagraphs 3, 4, and 5 of this paragraph, the KPDES permit shall be issued with these effluent limitations and additional requirements of the Kentucky Pollution Discharge Elimination System program, 401 KAR 5:050-5:080, without further antidegradation review.

7. If the permit applicant does not accept the effluent limitations required by subparagraphs 3, 4, and 5 of this paragraph, the applicant shall demonstrate [~~to the satisfaction of the cabinet~~] that [~~no~~] technologically or economically feasible alternatives do not exist and that allowing lower water quality is necessary to accommodate important economic or social development in the area in which the water is located.

a. For purposes of this administrative regulation, the approval of a POTWs regional facility plan pursuant to 401 KRS 5:006 shall demonstrate compliance with the alternatives analysis and socioeconomic demonstration for a regional facility.

b. The alternatives analysis and socioeconomic demonstration shall follow the guidelines in ["]Interim Economic Guidance for Water Quality Standards Workbook["], EPA, March 1995 [~~incorporated by reference in Section 3 of this administrative regulation~~].

c. The alternatives analysis shall consider the following:

(i) [~~a.~~] Discharge to other treatment facilities;

(ii) [~~b.~~] Use of other discharge locations;

(iii) [~~c.~~] Water reuse or recycle;

(iv) [~~d.~~] Process and treatment alternatives;

(v) [~~e.~~] On-site or subsurface disposal; and

(vi) [~~f.~~] Any other examination of alternatives to lowering water quality to which the cabinet and the applicant can agree.

8. A permit applicant who has failed to demonstrate [~~to the satisfaction of the cabinet~~] the necessity for lowering water quality shall meet the effluent limitations required by this paragraph and additional requirements of the Kentucky Pollution Discharge Elimination System program, 401 KAR 5:050-5:080.

9. A permit applicant who demonstrates [~~to the satisfaction of the cabinet~~] the necessity for lowering water quality shall meet the water quality based limitations as outlined in 401 KAR 10:031 [~~401 KAR 5:031~~].

(3) High quality water.

(a) Categorization criteria.

1. A surface water shall be categorized as high quality water if the surface water is not listed as an outstanding national resource water or an exceptional water in Table 1 or 2 of this section and if the surface water does not meet the criteria for impaired water as provided for in

subsection 4(a) of this section.

2. A surface water shall be categorized as a high quality water if the surface water is listed as an outstanding state resource water in 401 KAR 10:026 [~~401 KAR 5:026~~] and is not listed as an outstanding national resource water or an exceptional water in Table 1 or 2 of this section.

(b) Implementation procedure. KPDES permit applications for discharges into high quality water received after U.S. EPA approval of this subsection shall comply with this paragraph.

1. Dischargers listed in clauses a through e of this subparagraph shall be [~~are~~] subject to control by existing cabinet programs including the Kentucky Pollution Discharge Elimination System program, 401 KAR 5:050-5:080. Subparagraphs 2 through 6 of this paragraph shall not apply to those dischargers identified in clauses a through e of this paragraph, except the cabinet shall assure water quality necessary to fully protect existing uses.

a. KPDES general permits for storm water discharge;

b. Coal mining discharge subject to regulation under the Surface Mining Control and Reclamation Act, 30 U.S.C. 1201-1328 [~~et seq.~~], and 33 U.S.C. 1344;

c. Domestic sewage discharge from a single-family residence;

d. Concentrated animal feeding operations; and

e. KPDES permit renewals and modifications that result in less than a twenty (20) percent increase in pollutant loading from the previously permitted pollutant loading.

2. Except as provided in subparagraph 5 of this paragraph, a KPDES permit for a new domestic sewage discharger or expanded domestic sewage discharge into high quality water shall contain effluent limitations for the entire effluent and shall have an effluent quality of:

a. Not [~~No~~] greater than ten (10) mg/l five (5) day carbonaceous biochemical oxygen demand;

b. Not [~~No~~] greater than two (2) mg/l ammonia-nitrogen;

c. Not [~~No~~] greater than 0.010 mg/l total residual chlorine;

d. Not [~~No~~] greater than ten (10) mg/l total suspended solids;

e. Not [~~No~~] greater than one (1) mg/l total phosphorous;

f. A minimum of seven (7) mg/l dissolved oxygen; and

g. The geometric mean [~~An arithmetic mean value~~] for fecal coliform bacteria shall not [~~to~~] exceed 200 colonies per 100 milliliters during a period of thirty (30) consecutive days or 400 colonies per 100 milliliters during a period of seven (7) consecutive days, or the geometric [~~an arithmetic~~] mean for Escherichia coli bacteria shall not [~~to~~] exceed 130 colonies per 100 milliliters during a period of thirty (30) consecutive days or 230 colonies per 100 milliliters during a period of seven (7) consecutive days.

3. Except as provided in subparagraph 5 of this paragraph, a KPDES permit for a new nondomestic discharger or an expanded nondomestic discharge into high quality water shall be restricted to not [~~no~~] more than one-half (1/2) of the water quality based limitations that would have been permitted at standard design conditions.

4. If the permit applicant accepts the effluent limitations required by subparagraphs 2 and 3 of this paragraph, the KPDES permit shall be issued with these effluent limitations and any additional requirements of the Kentucky Pollution Discharge Elimination System program , 401 KAR 5:050-5:080, without further antidegradation review.

5. If the permit applicant does not accept the effluent limitations required by subparagraphs 2 and 3 of this paragraph, the applicant may request water quality based limitations permitted at standard design conditions.

a. In making this request, the applicant shall demonstrate [~~to the satisfaction of the cabinet~~]

that [~~no~~] technologically or economically feasible alternatives do not exist and that allowing lower water quality is necessary to accommodate important economic or social development in the area in which the water is located.

b. [~~For purposes of this administrative regulation,~~] The approval of a POTW's regional facility plan pursuant to 401 KAR 5:006 shall demonstrate compliance with the alternatives analysis and socioeconomic demonstration for a regional facility.

c. The alternatives analysis and socioeconomic demonstration shall consider the following:

(i) [~~a.~~] Discharge to other treatment facilities;

(ii) [~~b.~~] Use of other discharge locations;

(iii) [~~c.~~] Water reuse or recycle;

(iv) [~~d.~~] Process and treatment alternatives;

(v) [~~e.~~] On-site or sub-surface disposal;

(vi) [~~f.~~] Any other examination of alternatives to lowering water quality to which the cabinet and the applicant can agree;

(vii) [~~g.~~] The positive or beneficial effect of the facility on an existing environmental or public health problem;

(viii) [~~h.~~] The increase or avoidance of a decrease in employment;

(ix) [~~i.~~] The increase in production level;

(x) [~~j.~~] The increase in operational efficiency;

(xi) [~~k.~~] Industrial or commercial benefit to the community; and

(xii) [~~l.~~] Any other economic or social benefit to the community.

6. A permit applicant who has failed to demonstrate [~~to the satisfaction of the cabinet~~] the necessity for lowering water quality shall meet the effluent limitations required by this paragraph

and additional requirements of the Kentucky Pollution Discharge Elimination System program, 401 KAR 5:050-5:080.

7. A permit applicant who demonstrates [~~to the satisfaction of the cabinet~~] the necessity for lowering water quality shall meet the water quality based limitations as outlined in 401 KAR 10:031 [~~401 KAR 5:031~~].

(4) Impaired water.

(a) Categorization criteria. A surface water categorized as impaired for applicable designated uses shall be a water identified pursuant to 33 U.S.C. 1315 **[~~or designated pursuant to 10:026, Section 1 with a use of Modified Warm Water Aquatic Habitat~~]**.

1. Surface water categorized as impaired shall be assessed by the cabinet as not fully supporting any applicable designated uses.

2. A surface water shall not be categorized as impaired water if the surface water is listed as an outstanding state resource water in 401 KAR 10:026 [~~401 KAR 5:026~~].

(b) Implementation procedure.

1. All existing uses shall be protected and the level of water quality necessary to protect those existing uses shall be assured in impaired water.

2. The process to allow a discharge into an impaired water and to assure protection of the water shall be [~~is~~] regulated by the requirements in the Kentucky Pollution Discharge Elimination System Program, 401 KAR 5:050-5:080.

Section 2. Procedure for Recategorizing Water. This section shall apply to the recategorization of surface water to outstanding national resource water and exceptional water. The redesignation of water to outstanding state resource water shall be governed by the procedures in 401 KAR 10:026 [~~401 KAR 5:026~~].

(1) The cabinet may propose to recategorize certain water to outstanding national resource water and exceptional water if the water meets the criteria set forth in Section 1(1)(a) or Section 1(2)(a) of this administrative regulation.

(a) If the cabinet proposes to recategorize these waters, it shall provide notice and an opportunity for public hearing.

(b) The cabinet shall provide the documentation requirements of this section for those surface waters it proposes to recategorize.

(2) A person may request recategorization of a surface water to an outstanding national resource water or exceptional water by filing a petition with the cabinet.

(a) The petition shall include the name and address of the petitioner and the information and documentation necessary to recategorize the particular water as required by subsection (4) of this section. [:]

(b) The petitioner shall have the burden of proof that the recategorization is appropriate.

(c) The cabinet shall provide notice of the petition and an opportunity for a public hearing.

(d) The cabinet shall review the petition, supporting documentation, and any comments received from the public to determine if the proposed water qualifies for recategorization.

(e) The cabinet shall document the determination to grant or deny recategorization as a result of a petition[,] and shall provide a copy of the decision to the petitioner and other interested parties.

(3) If a water is to be recategorized, the cabinet shall publish notice of the recategorization.

(a) A [~~Any~~] permit issued after the date of publication shall be issued with limitations based on the new category.

(b) When the cabinet reviews its water quality standards pursuant to the provisions of

Section 303 of the Clean Water Act**, 33 U.S.C. 1313**, the cabinet shall propose to have all recategorized water promulgated as an amendment to this administrative regulation.

(4) The following information, documentation, and data shall support a petition for recategorization:

(a) A petition for outstanding national resource water shall include:

1. A United States Geological Survey 7.5 minute topographic map or its equivalent [~~as approved by the cabinet~~] showing those surface waters to be recategorized, including a description consisting of a river mile index with any existing and proposed discharge points;

2. Existing uses and water quality data for the surface water for which the recategorization is proposed. If adequate data are unavailable, additional studies shall [~~may~~] be required by the cabinet;

3. Descriptions of general land uses and specific land uses adjacent to the surface water for which the recategorization is proposed;

4. The existing and designated uses of the water upstream and downstream of the proposed recategorized water;

5. General physical characteristics of the surface water including width, depth, bottom composition, and slope;

6. The frequency of occasions when there is no natural flow in the surface water[,] and the 7Q10 and harmonic mean flow values for the surface water and adjacent surface waters;

7. An assessment of the existing and potential aquatic life habitat in the surface water under consideration and the adjacent upstream surface waters. The existing aquatic life shall be documented including the occurrence of individuals or populations, indices of diversity and well-being, and abundance of species of any unique native biota;

8. A documented rationale as to why the water qualify for the recategorization; and

9. The rationale used to support the national significance of the water.

(b) A petition for exceptional water shall include the following:

1. A United States Geological Survey 7.5 minute topographic map or its equivalent [~~as approved by the cabinet~~] showing the surface water to be recategorized including a description consisting of a river mile index with existing and proposed discharge points;

2. Descriptions of general land uses, including:

a. Mining;

b. Agriculture;

c. Recreation;

d. Low, medium, and high density residential, commercial, or industrial uses; and

e. [~~mining, agricultural, recreational, low, medium, and high density residential, commercial, and industrial, and~~] Specific land uses adjacent to the surface water for which the recategorization is proposed;

3. The frequency of occasions when there is no natural flow in the surface water[~~,~~] and the 7Q10 and annual mean flow values for the surface water; and

4. Fish or benthic macroinvertebrate collection data and an Index of Biotic Integrity or Macroinvertebrate Bioassessment Index calculation from a waterbody if criteria specified in Section 1(2)(a)3 of this administrative regulation are utilized.

Section 3. Incorporation by Reference. (1) The following material is incorporated by reference:

(a) "Development and Application of the Kentucky Index of Biotic Integrity (KIBI)", 2003, Kentucky Division of Water, Natural Resources and Environmental Protection Cabinet;

(b) "The Kentucky Macroinvertebrate Bioassessment Index", 2003, Kentucky Division of Water, Natural Resources and Environmental Protection Cabinet;

(c) "Interim Economic Guidance for Water Quality Standards Workbook", EPA, March 1995 Publication EPA-823-B-95-002, U.S. Environmental Protection Agency, Office of Water, Washington, D.C.; and

(d) "401 KAR 5:030 Antidegredation Implementation Procedures Process Flow Chart", May 25, 2004, KPDES Branch, Kentucky Division of Water, Kentucky Department for Environmental Protection.

(2) This material may be inspected, copied, or obtained, subject to applicable copyright law, at the Division of Water, **200 Fair Oaks Lane** **[~~14 Reilly Road~~]**, Frankfort, Kentucky, Monday through Friday, 8 a.m. to 4:30 p.m.

401 KAR 10:030 “Antidegradation policy implementation methodology.” (Amended After Comments) approved for promulgation:

Date	Leonard K. Peters, Secretary Energy and Environment Cabinet

REGULATORY IMPACT ANALYSIS AND TIERING STATEMENT

Administrative Regulation #: 401 KAR 10:030, Amended After Comments
Contact Person: Sandy Gruzesky, Director

(1) Provide a brief summary of:

(a) What this administrative regulation does: This administrative regulation implements the antidegradation policy of 401 KAR 10:029 by establishing procedures to control water pollution in waters affected by that policy. This administrative regulation provides categorization criteria, lists many surface waters assigned to specific categories, and provides for recategorization of water.

(b) The necessity of this administrative regulation: This administrative regulation is necessary to manage water resources and to provide for the prevention, abatement, and control of water pollution.

(c) How this administrative regulation conforms to the content of the authorizing statutes: This administrative regulation conforms to KRS 224.10-100 which requires the cabinet to develop and conduct a comprehensive program for the management of water resources and to provide for the prevention, abatement, and control of water pollution. KRS 224.70-100 declares that the policy of the Commonwealth is to conserve its waters for legitimate uses and to: safeguard from pollution the uncontaminated waters of the Commonwealth, prevent the creation of any new pollution in the waters of the Commonwealth, and abate any existing pollution. This administrative regulation and 401 KAR 10:001, 10:026, 10:029, and 10:031 establish procedures to protect the surface waters of the Commonwealth, and thus manage water resources and prevent water pollution. This administrative regulation establishes a methodology to implement the antidegradation policy contained in 401 KAR 10:029 by establishing procedures to control point source water pollution in waters affected by that policy.

(d) How this administrative regulation currently assists or will assist in the effective administration of the statutes: This administrative regulation will assist in the administration of the statutes by implementing the antidegradation policy for the protection of surface waters of the Commonwealth as required by the authorizing statutes.

(2) If this is an amendment to an existing administrative regulation, provide a brief summary of:

(a) How the amendment will change this existing administrative regulation: This amendment includes another 38 stream segments totaling 118 miles of surface waters newly categorized as exceptional water as a result of routine watershed monitoring and investigations of potential waters affected by permitted activities since the previous revisions to the regulations in 2004.

(b) The necessity of the amendment to this administrative regulation: This amendment is necessary to add waters that have been found to meet the criteria for Exceptional water since the previous revisions.

(c) How the amendment conforms to the content of the authorizing statutes: This amendment conforms to KRS 224.10-100 which requires the Environmental and Public Protection Cabinet to develop and conduct a comprehensive program for the management of water resources and to provide for the prevention, abatement, and control of water pollution. KRS 224.70-100 declares that the policy of the Commonwealth is to conserve its waters for

legitimate uses and to: safeguard from pollution the uncontaminated waters of the Commonwealth, prevent the creation of any new pollution in the waters of the Commonwealth, and abate any existing pollution. This amendment establishes procedures to protect the surface waters of the Commonwealth, and thus protect water resources. This amendment establishes a methodology to implement the antidegradation policy contained in 401 KAR10:029 by establishing procedures to control point source water pollution in waters affected by that policy.

(d) How the amendment will assist in the effective administration of the statutes: This amendment will assist in the administration of the statutes by listing surface waters newly categorized as exceptional water and adding a qualifying criterion for waters in the Impaired Water category.

(3) List the type and number of individuals, businesses, organizations, or state and local governments affected by this administrative regulation:

This administrative regulation includes 38 surface waters newly categorized as exceptional waters. Individuals, businesses, organizations, and governments that will have new or expanded wastewater discharges into streams categorized as exceptional water or high quality water could be affected by either stricter discharge limitations or an alternatives analysis and socioeconomic demonstration.

(4) Provide an analysis of how the entities identified in question (3) will be impacted by either the implementation of this administrative regulation, if new, or by the change, if it is an amendment, including:

(a) List the actions that each of the regulated entities identified in question (3) will have to take to comply with this administrative regulation or amendment: The permit limitations imposed on new or expanded point source dischargers into water bodies could result in additional treatment outlays, training costs, and operational changes. New or expanded point source dischargers covered under the Section 402 KPDES permit system may incur costs of alternatives and pollution prevention and socioeconomic analyses. This requirement already exists in state and federal law. This amended administrative regulation sets forth specific implementation procedures to comply with existing antidegradation requirements.

(b) In complying with this administrative regulation or amendment, how much will it cost each of the entities identified in question (3): The costs to comply with this administrative regulation will vary considerably depending on the site location, the type of activity occurring, and other factors. Therefore, it is not possible to determine quantitative costs to implement this regulation. The 38 new Exceptional waters are almost exclusively in more undeveloped areas and the effect of including them in regulation under this antidegradation category should be minimal for local economies. The provisions in the antidegradation regulation apply only to new and expanded discharges.

(c) As a result of compliance, what benefits will accrue to the entities identified in question (3): Direct and indirect savings will be realized through reduced drinking water treatment costs, maintenance of good agricultural water, maintenance of fisheries, and healthy recreational waters. Some communities and organizations have embraced streams in this category because it benefits the quality-of-life of the community. This positive quality of life value is difficult to estimate and has not been projected in this analysis.

(5)Provide an estimate of how much it will cost the administrative body to implement this administrative regulation:

(a) Initially: Given current budgetary limitations, additional workload will be absorbed within existing levels of funding and staffing. There are no initial costs to implement this regulation.

(b) On a continuing basis: The cabinet, in implementing the requirements of this amended administrative regulation, will internalize most associated costs with normal budget appropriations. Socioeconomic demonstrations will be reviewed and determinations made as to their adequacy. Costs may increase if the division's findings are contested.

(6) What is the source of the funding to be used for the implementation and enforcement of this administrative regulation? The source of revenue will be the General Fund and federal funds, as appropriated by the Kentucky General Assembly. The existing budget for the Division of Water utilizes approximately $800,000 in general funds and approximately $240,000 in federal funds to implement this regulation.

(7) Provide an assessment of whether an increase in fees or funding will be necessary to implement this administrative regulation, if new, or by the change if it is an amendment: Fees or funding increases are not anticipated to be necessary to the implementation of this amendment.

(8) State whether or not this administrative regulation established any fees or directly or indirectly increased any fees: This administrative regulation does not establish any fees nor directly or indirectly increase any fees.

(9) TIERING: Is tiering applied? (Explain why or why not)
Yes, tiering is used in this administrative regulation.

The cabinet concluded that exceptional and high quality water receiving stormwater discharges covered by the KPDES general permits are protected under existing cabinet programs and do not require additional antidegradation review. Storm water discharges are considered to be short-term impacts and the vast majority do not receive numerical permit limits; however, they must comply with the best management practices and are inspected by the cabinet to ensure compliance.

Coal mining discharge is not subject to additional antidegradation review in exceptional and high quality water. The cabinet's Section 402 KPDES permit process addresses the quality of discharges from permitted sediment ponds, not the methods of coal mining that are used or the location of the pond itself. Discharge limits are technology-based and are set by U.S. EPA and the cabinet for the coal mining industry. Fills in waters of the U.S. that are designated as outstanding state resource waters and cold water aquatic habitats will receive additional review by the cabinet under the Section 401 Water Quality Certification process. This review complements the Corps' 404 evaluation and is intended to insure that these waters and their aquatic resources are protected. Unavoidable impacts require compensatory mitigation to replace the lost aquatic stream functions using the Corps' Eastern Kentucky Stream Functional Assessment Protocol. No fills are permitted in streams designated as outstanding state resource water (OSRW). Coal mining is also subject to regulation under the Surface Mining Control and Reclamation Act.

Domestic sewage discharge from a single-family residence is also not subject to additional antidegradation review in exceptional and high quality water if the cabinet deems that no feasible alternatives exist. The cabinet considers alternatives analysis for domestic sewage dischargers.

Concentrated Animal Feeding Operations must already comply with a no discharge to waters of the Commonwealth permit; therefore, the cabinet concluded that Concentrated Animal Feeding Operations located next to excellent and high quality water are protected under existing cabinet programs and need not be subjected to additional antidegradation analysis.

Operations that expand by less than twenty percent over currently permitted pollutant loadings are not subject to further antidegradation analysis. This is consistent with the existing requirements of this administrative regulation. The cabinet shall assure water quality necessary to fully protect existing uses.

The cabinet concluded that the approval of a POTW's regional facility plan pursuant to 401 KAR 5:006 (201 Planning Document) will demonstrate compliance with the alternatives analysis and socioeconomic demonstration.

FISCAL NOTE ON STATE OR LOCAL GOVERNMENT

Regulation #: 401 KAR 10:030 **Contact Person:** Sandy Gruzesky, Director

1. **Does this administrative regulation relate to any program, service, or requirements of a state or local government (including cities, counties, fire departments, or school districts)?**
   Yes __X__ No _____
   If yes, complete questions 2-4.

2. **What units, parts or divisions of state or local government (including cities, counties, fire departments, or school districts) will be impacted by this administrative regulation?**

This amended administrative regulation may affect the wastewater treatment divisions of local government if they will have new or expanded discharges into outstanding national resource waters, exceptional waters, or high quality waters.

3. **Identify each state or federal statute or federal regulation that requires or authorizes the action taken by the administrative regulation.**

This amended administrative regulation relates to local governments' wastewater treatment service. KRS 224.10-100, 224.70-100, and 224.70-110 mandate action taken by this administrative regulation.

4. **Estimate the effect of this administrative regulation on the expenditures and revenues of a state or local government agency (including cities, counties, fire departments, or school districts) for the first full year the administrative regulation is to be in effect.**
   (a) How much revenue will this administrative regulation generate for the state or local government (including cities, counties, fire departments, or school districts) for the first year? This regulation will not generate any revenue.
   (b) How much revenue will this administrative regulation generate for the state or local government (including cities, counties, fire departments, or school districts) for subsequent years? This regulation will not generate any revenue.
   (c) How much will it cost to administer this program for the first year? There will be no cost to state or local agencies to implement this regulation.
   (d) How much will it cost to administer this program for subsequent years? There will be no cost to state or local agencies to implement this regulation.

Note: If specific dollar estimates cannot be determined, provide a brief narrative to explain the fiscal impact of the administrative regulation.

Revenues (+/-): Cannot be determined

Expenditures (+/-): Cannot be determined

Other Explanation: Wastewater treatment costs may increase for those local governments that will have new or expanded discharges into exceptional waters and high quality waters. Local governments withdrawing drinking water from these waters may have lower treatment costs, because these waters should have lower pollutant loads. The permit limitations imposed on new or expanded point source dischargers into water bodies could result in additional treatment outlays, training costs, and operational changes. New or expanded dischargers may incur costs of

alternatives and pollution prevention analyses. Direct and indirect savings will be realized through reduced drinking water treatment costs, maintenance of good agricultural water, maintenance of fisheries, and healthy recreational waters. This requirement already exists in state and federal law. The amended administrative regulation does not create additional obligations for dischargers. This amended administrative regulation sets forth specific implementation procedures to comply with already existing antidegradation requirements. This administrative regulation allows regional publicly-owned treatment works to use their Regional Facility Plan (201 Planning Document) as an exception to compliance with the socioeconomic demonstration and alternatives analysis.

FEDERAL MANDATE ANALYSIS COMPARISON

Administrative Regulation#: 401 KAR 10:030
Contact Person: Sandy Gruzesky, Director

1. Federal statute or regulation constituting the federal mandate.
There is no federal statute or regulation mandating that Kentucky implement a water pollution control program. For Kentucky to maintain its delegation over the NPDES permit program, the Clean Water Act requires that Kentucky review its water quality standards every three years and comply with the programmatic requirements of 40 C.F.R. Part 131, including the requirement for implementing an antidegradation policy. The federal regulations require the adoption of an antidegradation policy for delegated states. The U.S. Environmental Protection Agency does provide guidance to the states, but individual decisions concerning the states water quality programs are left to the states.

2. State compliance standards.
401 KAR 10:001, 10:026, 10:029, 10:030, and 10:031, the water quality standards regulations.

3. Minimum or uniform standards contained in the federal mandate.
The Clean Water Act requires designated uses, criteria, standards and antidegradation policies in water quality standards.

4. Will this administrative regulation impose stricter requirements, or additional or different responsibilities or requirements than those required by the federal mandate?
No.

5. Justification for the imposition of the stricter standard, or additional or different responsibilities or requirements.
There are no stricter standards or additional or different responsibilities or requirements.